

Unit Information This is a fluid reference sample.

Sample was accepted as a reference.

Manufacturer: MOTUL
Brand: 8100 X-CESS

Grade : 5W40

Sample

: 04/02-566

EQUIPMENT RELIABILITY SERVICES

Oil Analysis 4371 Savaryn Drive SW, Edmonton Alberta, Canada T6X 2E8 Phone: 877 962 2400

	2019/03/27	Ref. Sample	Sample Date	Sample Information		04/02-566	Ref. Sample	Sample	(
	MOT	MOT	Oil Mfr.	Inform		2019/03/27	2019/03/27	Samble Date	
	8100XCES 5W40	8100XCES 5W40	Oil Brand (ation		27 5	7 5	Sodium Con	
	5W40	5W40	Oil Grade			1	1	Contaminants Potassium Silicon	
	٠.		Comp. Service S			6	6	1000 (CONTRACTOR DE CONTRACTOR	
			Oil Service Ur			12	р	Wear Metals	
	~		Oil Units Chg			1	Н	Coppe, ppm	IS CHARGE TO
4705	83.0	83.0	Visc 40°C cSt	Physic		0 0	0 0	Lead	
s K	13.72			Physical Tests		0	C	Tin	
3.76 A Sight of a	170	T/U	Visc Index	8		0	c	<u> </u>	
00/0	z	7	Water			0	c		
	OT.0>	orro,				0	c	Titanium Silver	
	OT:0>		OX (A/cm)			0 0	c	V _{anadium}	Lab Trac
	CT.02		Sul (A/cm)			Ь		Antimony	Lab Tracking # : 1 - 2046533
	ī		Accepted	Ado	Market and Market A. J. Advanta D. Overland and developed a constraint of a	_		Beryllium	2046533
				Additional Tests		2564		Additives Ppm Calcium Ninc 2564 970	
, <		љ Д	(mgKOH/g)	Tests		9/0 0		Ph	
15:00							961 14	Magnesiun	Ph
							S	Molybaenum	Phone: 877 962 2400
						1	68	68 Soron	52 2400
							0	8arium	
							0	Cithium Co	

Results

2019/03/27 This new oil is in acceptable condition.

Recommendations

Key:

R-Reportable U-Unacceptable S-Severe I-Insufficient Sample >-More Than <-Less Than NT-Not Triggered

Customer Information HUSSIEN NOUSER

Unit Information

This is a fluid reference sample.
Sample was accepted as a reference.

Lubricant

Brand Manufacturer: MOTUL : 8100 X-MAX : 0W40

Grade

Sample : 04/02-565

Lab Tracking # : 1 - 2046537

EQUIPMENT RELIABILITY SERVICES

Oil Analysis
4371 Savaryn Drive SW, Edmonton
Alberta, Canada T6X 2E8
Phone: 877 962 2400

	unconentro	courses	nate to	0.0000000000000000000000000000000000000	
	2	Re	S	S S	
	0	-	1	10/e =	
	04/02-565	Ref. Sample		Sample	
	56	3		~ 0	
	5	ole		O	1
	2019/03/2	2019/03/27	S	anple ate	
	21.9	219	1	10/2	
	ž	3/6	1	ale e	
	03	23			
	12	/2			
a manage of the common state and the common state of the common st	PRINCIPAL DEPORT	GU GU GU	book	gungarunters braits (1917) (1917)	
			S	Odium Con	
				14/20	
	2	2		″ 5	
			١.	CT	1
			1), "	
				'955% 3	
	Н	1		J 3	•
				. 0	
			1	1/1/2 3	
				Sign of the state	
	4	4		2 42	
TO CONTRACT OF STREET	anstrone:		Hipson	CONTRACTOR OF THE PARTY OF THE	
			1	Vun <	p D
				nin =	4
	0	C		CON CONTRACT	
				. =	1
			1	TOn -	9
				<u></u>	2
			200	<u>n</u>	
				Vear Wetall	
				Copper pm 5	
	_	_		Ner	- 5
	U				
				/	
			1	(ead	
				4	
				>.	
				Tin	
	0	c	>		
				CA	
				Trom.	
	0	c	2	1147	
				Nice	
				Nickel	
	0	C	2		
				Tita.	
				drium	
	0	C	>	"	
				Silver	
				-64	
	0	(2		
				1.	
				ana	
	_	,	>	V _{anadium}	
	·			"	
				A.	
				Antimony	
	<u></u>	1	44	1001	
				Beryllium	
				Willi.	
	0		0	14177	
Communication of the Communica	000000000	orus de	in Co		500
	N		J	Ca/a	>
	2473		2473	"Cium "	5
	ü	1	تد	"// 6	2
				Calcium Zinc P	Add:tiv
			0	<inc< td=""><td>E .</td></inc<>	E .
	947		947	Anc ppm	D
	7		~	9 :	n
				Phosphorus Magnesium Ma	
	00		00	hoc	
	829		829	DYO.	
	•		Ü	545	
				Aa	
				Nagon .	
	77	3	12	esi	
				W	
	-	•	 	Molybdenun, Boron	
				777)
				Boro	
	00	2	68	Oh	
	0	,	S		
				۵	
				adri.	
	_	,	0	Earium Lithium	
				lin.	
				Chin	
	_	>	0	7/1	

Sample	
Information	

and the same of th	64SHS16COS	per material design	97579554558F99859872
	2019/03/27	Ref. Sample	Sample Date
			Mfr.
	8100XF	8100XI	Oil Brand
	8100XMAX0W40	MAXXW40	Oil Oil Brand Grade
	7		Comp. Service
			Oil Service
			Units

Chg Chg

Physical Tests

E &	12.88	12.88	Visc 100°C cSt
4.8/6 V	176	176	Visc Index
1300	Z	Z	Water
	<0.10	<0.10	NIT (A/cm)
	<0.10	<0.10	OX (A/cm)
	<0.10	<0.10	Sul (A/cm)

Yes

74.1

200 P

Additional Tests

Yes Accepted BN (FTIR) (mgKOH/g) 2, 24°/0

Results

2019/03/27 This new oil is in acceptable condition.

2019/03/27 Recommendations

Key: Y-Yes N-Negative P-Positive

R - Reportable U - Unacceptable S - Severe I - Insufficient Sample > - More Than < - Less Than

NT - Not Triggered