

GREASE ANALYSIS

Sample Rating Trend



Machine Id

100023135 R. BULLWHEEL

Upper Grease

MOBIL SHC GREASE 460 WT (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Woor

All component wear rates are normal.

Grease Condition

The condition of the grease is acceptable for the time in service.

Contaminants

There is no indication of any contamination in the grease.

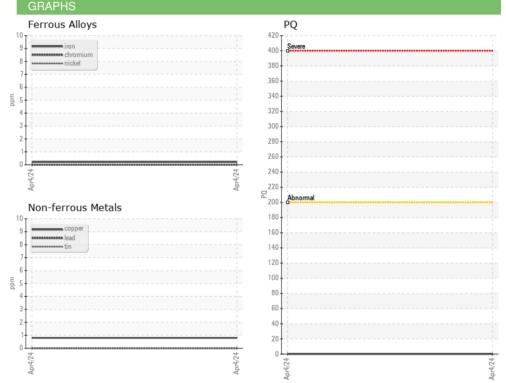
SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info WC0679944 Sample Date Client Info 04 Apr 2024 Machine Age hrs Client Info 1245 Grease Age hrs Client Info N/A Grease Serviced Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base current history1 history2					Apr2024		
Sample Number Client Info WC0679944					нрг2024		
Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 1245	Sample Number		Client Info		WC0679944		
Carease Age	Sample Date		Client Info		04 Apr 2024		
Client Info N/A	Machine Age	hrs	Client Info		1245		
CONTAMINATION method limit/base current history1 history2	Grease Age	hrs	Client Info		1245		
Mater WC Method Solid NEG Solid N	Grease Serviced		Client Info		N/A		
Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 PQ ASTM D8184* >200 0 Chromium ppm ASTM D5185(m) >10 0 Chromium ppm ASTM D5185(m) >5 <1 Cadamium ppm ASTM D5185(m) 0 Cadamium ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) >25 0 Lead ppm ASTM D5185(m) >5 0 Copper ppm ASTM D5185(m) >5 0 Silver ppm ASTM D5185(m) <1	Sample Status				NORMAL		
WEAR METALS	CONTAMINATIO	N	method	limit/base	current	history1	history2
PQ	Water		WC Method	>0.1	NEG		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Chromium	PQ		ASTM D8184*	>200	0		
ASTM D5185(m) Description Description	ron	ppm	ASTM D5185(m)	>250	<1		
Description	Chromium	ppm	ASTM D5185(m)	>10	0		
ASTM D5185(m) D	Nickel	ppm	ASTM D5185(m)	>5	<1		
Vanadium	Cadmium	ppm	ASTM D5185(m)		0		
December December	Γitanium	ppm	ASTM D5185(m)		0		
Copper	/anadium	ppm	ASTM D5185(m)		0		
ASTM D5185(m) >5	_ead	ppm	ASTM D5185(m)	>25	0		
ADDITIVES	Copper	ppm	ASTM D5185(m)	>75	<1		
ADDITIVES	Γin	ppm	ASTM D5185(m)	>5	0		
ASTM D5185(m) Continue	Silver	ppm	ASTM D5185(m)	>5	0		
Magnesium ppm ASTM D5185(m) <1 Manganese ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 257 Zinc ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) <1 Sodium ppm ASTM D5185(m) 2 Sulfur ppm ASTM D5185(m) 754 CONTAMINANTS method limit/base current history1	ADDITIVES		method	limit/base	current	history1	history2
Manganese ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 191 Zinc ppm ASTM D5185(m) 257 Antimony ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 2 Sodium ppm ASTM D5185(m) 367 Sulfur ppm ASTM D5185(m) 754 CONTAMINANTS method limit/base current history1 history2 Grease Condition visual* Red Red <	Boron	ppm	ASTM D5185(m)		<1		
Molybdenum ppm ASTM D5185(m) 0 Phosphorus ppm ASTM D5185(m) 191 Zinc ppm ASTM D5185(m) 257 Antimony ppm ASTM D5185(m) 0 THICKENER/SOAP method limit/base current history1 history2 Aluminum ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) <1	Magnesium	ppm	ASTM D5185(m)		<1		
Phosphorus	Manganese	ppm	ASTM D5185(m)		0		
Zinc	Molybdenum	ppm	ASTM D5185(m)		0		
Antimony ppm ASTM D5185(m) 0	Phosphorus	ppm	ASTM D5185(m)		191		
THICKENER/SOAP method limit/base current history1 history2	Zinc	ppm	ASTM D5185(m)		257		
Aluminum ppm ASTM D5185(m) 0	Antimony	ppm	ASTM D5185(m)		0		
Barium	THICKENER/SO/	AP	method	limit/base	current	history1	history2
Calcium ppm ASTM D5185(m) <1 Sodium ppm ASTM D5185(m) 2 Lithium ppm ASTM D5185(m) 367 Sulfur ppm ASTM D5185(m) 754 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >150 0 Potassium ppm ASTM D5185(m) <1	Aluminum	ppm	ASTM D5185(m)		0		
Sodium	Barium	ppm	ASTM D5185(m)		0		
Sulfur	Calcium	ppm	ASTM D5185(m)		<1		
Sulfur ppm ASTM D5185(m) 754 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >150 0 Potassium ppm ASTM D5185(m) <1	Sodium	ppm	ASTM D5185(m)		2		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >150 0 Potassium ppm ASTM D5185(m) <1	_ithium	ppm	ASTM D5185(m)		367		
Silicon ppm ASTM D5185(m) >150 0	Sulfur	ppm	ASTM D5185(m)		754		
Potassium ppm ASTM D5185(m) <1 GREASE CONDITION method limit/base current history1 history2 Grease Color Visual* Red Texture In-house* Buttery	CONTAMINANTS	6	method	limit/base	current	history1	history2
GREASE CONDITION method limit/base current history1 history2 Grease Color Visual* Red Red Texture In-house* Buttery	Silicon	ppm	ASTM D5185(m)	>150	0		
Grease Color Visual* Red Red Texture In-house* Buttery	Potassium	ppm	ASTM D5185(m)		<1		
Texture In-house* Buttery	GREASE CONDI	TION	method	limit/base	current	history1	history2
	Presse Color		\ C 1*	Dad	D. J		
	alease Coloi		visuai"	Rea	Rea		
				Red			



GREASE ANALYSIS











CALA ISO 17025:2017 Accredited Laboratory

Sample No.

Laboratory

: WC0679944 Lab Number : 02629408 Unique Number : 5762540

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 16 Apr 2024 **Tested** : 22 Apr 2024

Diagnosed : 22 Apr 2024 - Bill Quesnel Test Package : GRS 1 (Additional Tests: BottomAnalysis)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Mount St. Louis Moonstone

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CA LOK 1E0 Contact: Andre Huter a.huter@mslm.on.ca T: (705)835-2112

F: (705)835-5967

Validity of results and interpretation are based on the sample and information as supplied. Report Id: MOUCOL [WCAMIS] 02629408 (Generated: 04/22/2024 11:23:07) Rev: 1

Contact/Location: Andre Huter - MOUCOL