

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LMA104500 (S/N CDRM3013J1012)

Component
Port Main Engine

{not provided} (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

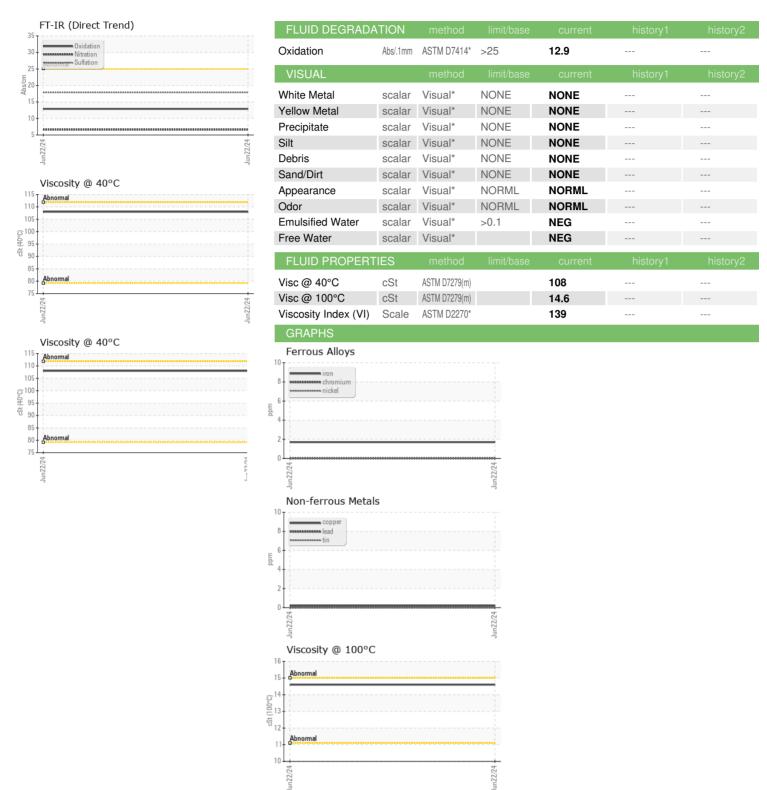
Fluid Condition

The condition of the oil is acceptable for the time in

				Jun2024		
				GUILEDZ T		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		22 Jun 2024		
Machine Age	hrs	Client Info		2214		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	1	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Water		WC Method	>0.1	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	2		
Chromium	ppm	ASTM D5185(m)	>8	0		
Nickel	ppm	ASTM D5185(m)	>2	0		
Titanium	ppm	ASTM D5185(m)	>3	0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>15	1		
Lead	ppm	ASTM D5185(m)	>18	0		
Copper	ppm	ASTM D5185(m)	>80	<1		
Tin	ppm	ASTM D5185(m)	>14	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		90		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		66		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		11		
Calcium	ppm	ASTM D5185(m)		2019		
Phosphorus	ppm	ASTM D5185(m)		953		
Zinc	ppm	ASTM D5185(m)		1105		
Sulfur	ppm	ASTM D5185(m)		3088		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5		
Sodium	ppm	ASTM D5185(m)	>75	2		
Potassium	ppm	ASTM D5185(m)	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*	>20	6.6		
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.9		



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Sample No.

Laboratory

: PP

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Lab Number : 02643874 Unique Number : 5801413

Test Package : MAR 1 (Additional Tests: KV40, VI)

Received **Tested** Diagnosed

: 25 Jun 2024 : 25 Jun 2024

: 25 Jun 2024 - Wes Davis

Contact: Tim Martin tim@marinesurveyscanada.com T: (705)816-2950

Marine Surveys Canada

165 Terraview Cres, Unit 54

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. Validity of results and interpretation are based on the sample and information as supplied.

Guelph, ON

CA N1G 5GY