

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LMA104500 (S/N CDRM3013J1012) Component Genset

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 15W40. Please confirm.

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 service.

		Jun2024				
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		22 Jun 2024		
Machine Age	hrs	Client Info		1480		
Oil Age	hrs	Client Info		0		
Oil Changed	1113	Client Info		Not Changd		
Sample Status		Chorte triio		NORMAL		
·		and the set	11			history 0
CONTAMINATION	N	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)	>50	2		
Chromium	ppm	ASTM D5185(m)	>4	0		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>5	<1		
Aluminum	ppm	ASTM D5185(m)	>12	1		
Lead	ppm	ASTM D5185(m)	>17	<1		
Copper	ppm	ASTM D5185(m)	>70	<1		
Tin	ppm	ASTM D5185(m)	>15	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)	250	152		
Barium	ppm	ASTM D5185(m)	10	0		
Molybdenum	ppm	ASTM D5185(m)	100	13		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	450	22		
Calcium	ppm	ASTM D5185(m)	3000	1967		
Phosphorus	ppm	ASTM D5185(m)	1150	892		
Zinc	ppm	ASTM D5185(m)	1350	1043		
Sulfur	ppm	ASTM D5185(m)	4250	2863		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4		
Sodium	ppm	ASTM D5185(m)	>158	2		
Potassium	ppm	ASTM D5185(m)	>20	5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*	>20	5.3		
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2		



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15.7

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

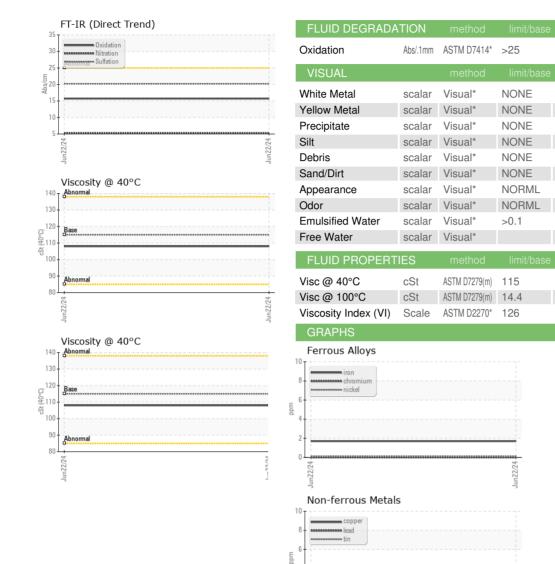
NEG

NEG

108

14.5

137





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

cSt (100°C)

: PP Lab Number : 02643875 Unique Number : 5801414

Abnormal

Viscosity @ 100°C

Tested

Received : 25 Jun 2024 : 25 Jun 2024 Diagnosed

: 25 Jun 2024 - Wes Davis Test Package : MAR 1 (Additional Tests: KV40, VI)

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.

165 Terraview Cres, Unit 54 Guelph, ON CA N1G 5GY Contact: Tim Martin tim@marinesurveyscanada.com T: (705)816-2950

Marine Surveys Canada

Contact/Location: Tim Martin - MAR4MIN