

OIL ANALYSIS REPORT

RAWMILL GEARBOX

Component

New (Unused) Oil

MOBIL MOBILGEAR SHC 320 (--- GAL)

Sample Rating Trend ISO

Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or quaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

Wear

{not applicable}

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for service.

			Nov2023	Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0806819	WC0806828	
Sample Date		Client Info		09 Jan 2024	23 Nov 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	ABNORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>5	0	0	
Chromium	ppm	ASTM D5185(m)	>5	0	0	
Nickel	ppm	ASTM D5185(m)	>5	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>5	0	<1	
Aluminum	ppm	ASTM D5185(m)	>5	<1	0	
Lead	ppm	ASTM D5185(m)	>5	0	0	
Copper	ppm	ASTM D5185(m)	>5	0	<1	
Tin	ppm	ASTM D5185(m)	>5	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	
Barium	ppm	ASTM D5185(m)		0	<1	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)		<1	<1	
Calcium	ppm	ASTM D5185(m)		<1	<1	
Phosphorus	ppm	ASTM D5185(m)		388	422	
Zinc	ppm	ASTM D5185(m)		<1	<1	
Sulfur	ppm	ASTM D5185(m)		1660	1643	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	21	23	
Sodium	ppm	ASTM D5185(m)		0	<1	
Potassium	ppm	ASTM D5185(m)	>20	<1	0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	
Nitration	Abs/cm	ASTM D7624*		3.0	3.0	

Sulfation

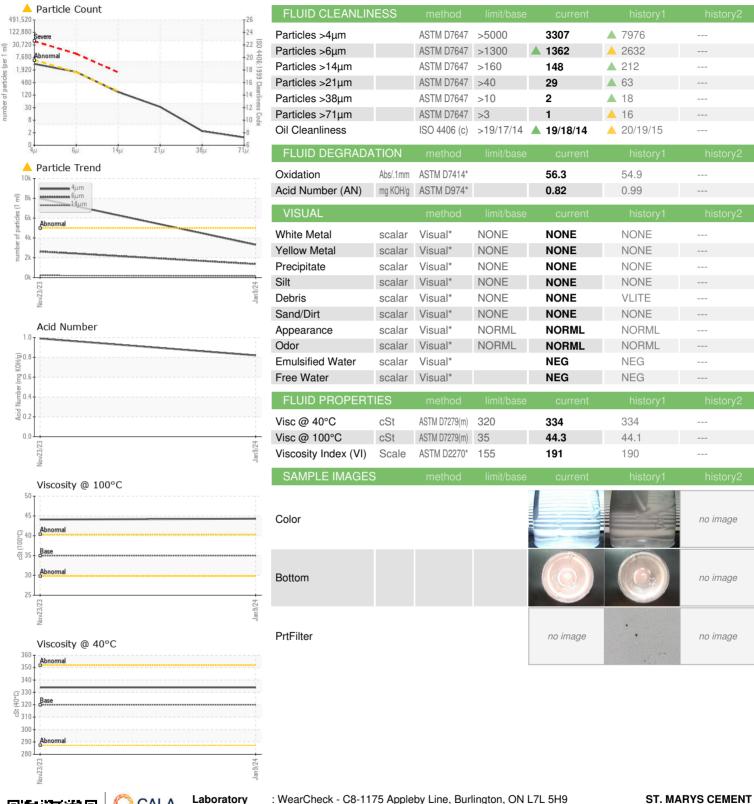
Abs/.1mm ASTM D7415*

47.1

47.9



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CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0806819 : 02607818

: 5708904

Recieved : 10 Jan 2024 Diagnosed : 11 Jan 2024 Diagnostician : Kevin Marson Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, 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.

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