

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 170640

Omponent Drive End Winch

GEAR OIL SAE 80W90 (--- GAL)

	G١		

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

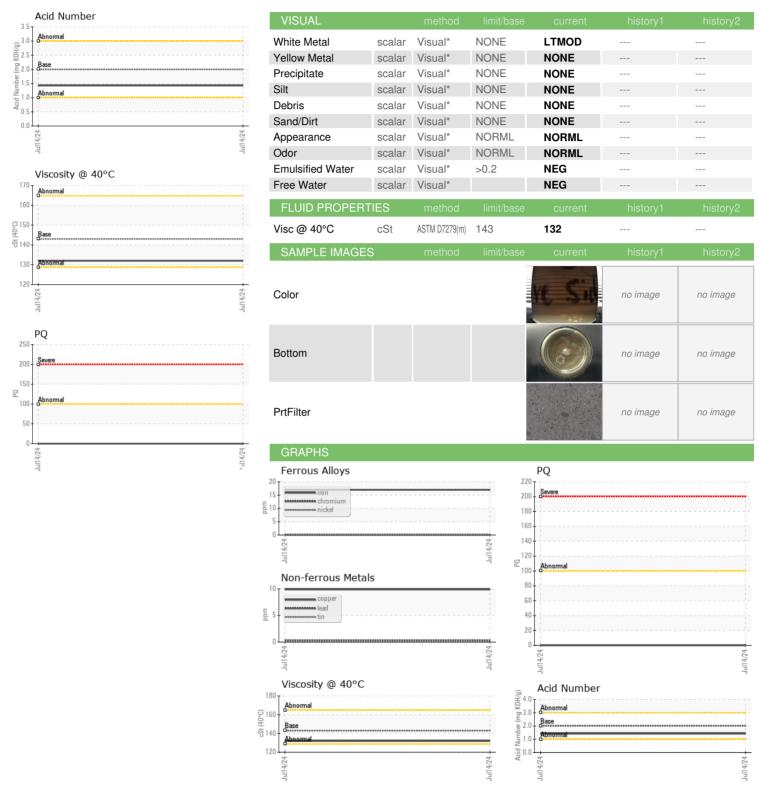
Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		14 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>30	17		
Chromium	ppm	ASTM D5185(m)	>2	0		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(m)	>2	<1		
Aluminum	ppm	ASTM D5185(m)	>5	<1		
Lead	ppm	ASTM D5185(m)	>70	<1		
Copper	ppm	ASTM D5185(m)	>65	10		
Tin	ppm	ASTM D5185(m)	>9	0		
Antimony	ppm	ASTM D5185(m)	>5	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)	400	172		
Barium	ppm	ASTM D5185(m)	200	<1		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	12	<1		
Calcium	ppm	ASTM D5185(m)	150	3		
Phosphorus	ppm	ASTM D5185(m)	1650	994		
Zinc	ppm	ASTM D5185(m)	125	15		
Sulfur	ppm	ASTM D5185(m)	22500	23463		
Lithium	ppm	ASTM D5185(m)		2		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	0		
Sodium	ppm	ASTM D5185(m)	>170	<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	1.43		



OIL ANALYSIS REPORT







Laboratory Sample No.

: PP Lab Number : 02647942 Unique Number : 5813494

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 15 Jul 2024

Tested : 17 Jul 2024 Diagnosed

Hebron-Materials and Repair Coordin, Suite 1000, 100 New Gow : 17 Jul 2024 - Kevin Marson

Test Package: MAR 2 (Additional Tests: Bottom, BottomAnalysis, FILTERPATCH, TAN Man) Contact: Liam Maher liam.m.maher@exxonmobil.com T: (709)273-3729

ExxonMobil Canada East Ltd.

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.

St. John's, NL

CA A1C 6K3