

OIL ANALYSIS REPORT



Machine Id 170640 **1 Distribution Gear** Fluid {not provided} (--- GAL)

DIAGNOSIS

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. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

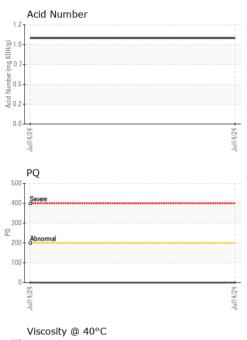
Fluid Condition

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

SAMPLE INFORM	IATION	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	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	0		
Iron	ppm	ASTM D5185(m)	>185	33		
Chromium	ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>35	2		
Copper	ppm	ASTM D5185(m)	>35	<1		
Tin	ppm	ASTM D5185(m)	>5	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)		121		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		2		
Calcium	ppm	ASTM D5185(m)		30		
Phosphorus	ppm	ASTM D5185(m)		854		
Zinc	ppm	ASTM D5185(m)		37		
Sulfur	ppm	ASTM D5185(m)		14891		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	1		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		1.04		



OIL ANALYSIS REPORT





White Metal	scalar	Visual*	NONE	LIGHT		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		106		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
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Bottom					no image	no image
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GRAPHS						
Ferrous Alloys				PQ		
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iron			400	Saura		
- iron - chromium - nickel				Severe		
) - iron - chromium - nickel			400	Severe		
iron chromium nickel			400	Severe		
iron iron iron iron iron iron iron iron			400 350 62/61	Severe		
tiron chromium nickel 424 Hing Non-ferrous Meta	ıls		400 350 +62/H	Severe		
Non-ferrous Meta	ıls		400 350 62/61	- Severe - Abnormal		
http://www.ickemail.com/ http://wwww.ickemail.com/ http://www.ickemail.com/ http://www.ickemail.	ıls		400 350 PCF 300 PCF 10 250 200	Abnormal		
Non-ferrous Meta	ıls		400 350 424 424 424 19 250 200 200 150	Abnormal		
Non-ferrous Meta	ıls		400 350 7274 100 200 200 150 100	Abnormal		
Non-ferrous Meta	lls		400 350 627-110 200 150 150 50 00 00 00 00 00 00 00 00 00 00 00 0	- Severe Abnormal		
Non-ferrous Meta	Ils		400 350 250 200 150 100 50	Abnormal boot		
Non-ferrous Meta	IIS		400 350 62/F 100 150 150 00 00 00 00 00 00 00 00 00 00 00 00 0	Abnormal		
Non-ferrous Meta	lls		400 350 62/F 100 150 150 00 00 00 00 00 00 00 00 00 00 00 00 0	Abnormal		
Non-ferrous Meta	IIS		400 350 62/F 100 150 150 00 00 00 00 00 00 00 00 00 00 00 00 0	Abnormal		
Non-ferrous Meta	ıls		400 350 62/F 100 150 150 00 00 00 00 00 00 00 00 00 00 00 00 0	Abnormal		
Non-ferrous Meta	Ils		400 350 627-110 200 150 150 50 00 00 00 00 00 00 00 00 00 00 00 0	Abnormal		

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ExxonMobil Canada East Ltd. CALA Sample No. : PP Received : 15 Jul 2024 Hebron-Materials and Repair Coordin, Suite 1000, 100 New Gow Lab Number : 02647938 Tested : 17 Jul 2024 St. John`s, NL ISO 17025:2017 Accredited Laboratory Unique Number : 5813490 CA A1C 6K3 Diagnosed : 17 Jul 2024 - Kevin Marson Test Package : MAR 2 (Additional Tests: BottomAnalysis, FILTERPATCH, TAN Man) Contact: Liam Maher liam.m.maher@exxonmobil.com To discuss this sample report, contact Customer Service at 1-800-268-2131. T: (709)273-3729 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. F:

Report Id: EXXSTJ [WCAMIS] 02647938 (Generated: 07/17/2024 15:48:38) Rev: 1

Contact/Location: Liam Maher - EXXSTJ Page 2 of 2