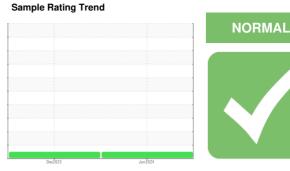


# **OIL ANALYSIS REPORT**

[14003707] MUD PUMP #3W (S/N G-0801C)

Gearbox

**IRVING GEAR OIL ISO 320 (--- GAL)** 



#### Recommendation

Resample at the next service interval to monitor. 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

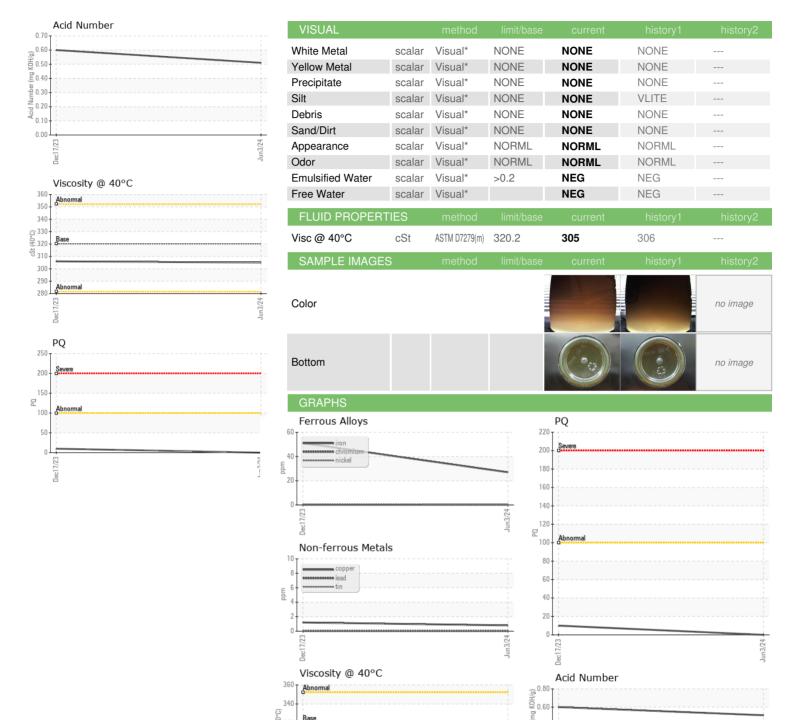
### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0764339	WC0764316	
Sample Date		Client Info		03 Jun 2024	17 Dec 2023	
Machine Age	yrs	Client Info		2	0	
Oil Age	yrs	Client Info		2	0	
Oil Changed		Client Info		Filtered	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	10	
Iron	ppm	ASTM D5185(m)	>200	27	51	
Chromium	ppm	ASTM D5185(m)	>15	<1	<1	
Nickel	ppm	ASTM D5185(m)	>15	<1	<1	
Titanium	ppm	ASTM D5185(m)		<1	2	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	<1	2	
Lead	ppm	ASTM D5185(m)	>100	0	0	
Copper	ppm	ASTM D5185(m)	>200	<1	1	
Tin	ppm	ASTM D5185(m)	>25	0	0	
Antimony	ppm	ASTM D5185(m)	>5	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)		14	12	
Barium	ppm	ASTM D5185(m)		2	6	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)		<1	2	
Calcium	ppm	ASTM D5185(m)		6	8	
Phosphorus	ppm	ASTM D5185(m)		164	174	
Zinc	ppm	ASTM D5185(m)		4	5	
Sulfur	ppm	ASTM D5185(m)		14554	14362	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4	6	
Sodium	ppm	ASTM D5185(m)		3	8	
Potassium	ppm	ASTM D5185(m)	>20	<1	2	
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.51	0.60	



## **OIL ANALYSIS REPORT**







Report Id: PAR215STJ [WCAMIS] 02643505 (Generated: 06/24/2024 11:13:31) Rev: 1

Laboratory Sample No. Lab Number

280

: WC0764339 : 02643505 Unique Number : 5801044

Test Package : IND 2 (Additional Tests: TAN Man)

Decl

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

Received : 21 Jun 2024 **Tested** : 24 Jun 2024 Diagnosed : 24 Jun 2024 - Kevin Marson

**Parker Wellbore** 215 Water Street, Suite 802, PO Box 74 St. John's, NL

CA A1C 6C9 Contact: HMDC Material Control Coordinator hmdc.material.control.coordinator@exxonmobil.com

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.

Dec17/23

T:

F: