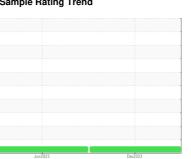


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Q-1705B CENTER BOP CRANE SOUTH BRIDGE DRIVE

Component

Gearbox

GEAR OIL SAE 75W90 (--- GAL)

	VС		

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 75W90. Please confirm. NOTE: Please provide information regarding

reservoir capacity, filter type and micron rating with

Wear

All component wear rates are normal.

Contamination

next sample.

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.

			Jun 2023	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0764321	WC0764307	
Sample Date		Client Info		14 Dec 2023	22 Jun 2023	
Machine Age	yrs	Client Info		0	1	
Oil Age	yrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	V	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	8	
Iron	ppm	ASTM D5185(m)	>200	5	15	
Chromium	ppm	ASTM D5185(m)	>15	0	0	
Nickel	ppm	ASTM D5185(m)	>15	<1	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	
Lead	ppm	ASTM D5185(m)	>100	0	8	
Copper	ppm	ASTM D5185(m)	>200	<1	7	
Tin	ppm	ASTM D5185(m)	>25	0	<1	
Antimony	ppm	ASTM D5185(m)	>5	<1	<1	
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)	400	222	253	
Barium	ppm	ASTM D5185(m)	200	<1	<1	
Molybdenum	ppm	ASTM D5185(m)	12	0	0	
Manganese	ppm	ASTM D5185(m)		0	<1	
Magnesium	ppm	ASTM D5185(m)	12	<1	<1	
Calcium	ppm	ASTM D5185(m)	150	3	4	
Phosphorus	ppm	ASTM D5185(m)	1650	1200	1397	
Zinc	ppm	ASTM D5185(m)	125	6	13	
Sulfur	ppm	ASTM D5185(m)		20633	22529	
Lithium	ppm	ASTM D5185(m)		1	<1	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<1	<1	
Sodium	ppm	ASTM D5185(m)	/50	1	1	
Potassium	ppm	ASTM D5185(m)	>20	2	<1	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	2.49	2.18	



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

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

: 02606105

: WC0764321

: 5707191

Recieved : 02 Jan 2024 Diagnosed : 02 Jan 2024 : Wes Davis Diagnostician

215 Water Street, Suite 802, PO Box 74 St. John's, NL CA A1C 6C9

Contact: HMDC Material Control Coordinator

Test Package : IND 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131. hmdc.material.control.coordinator@exxonmobil.com

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.

T: F: