



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
System 91 - Deck Cranes
 Machine Id
Q-9111B West Crane Slewing Gearbox 5
 Component
5 Slewing Gearbox
 Fluid
{not provided} (33 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

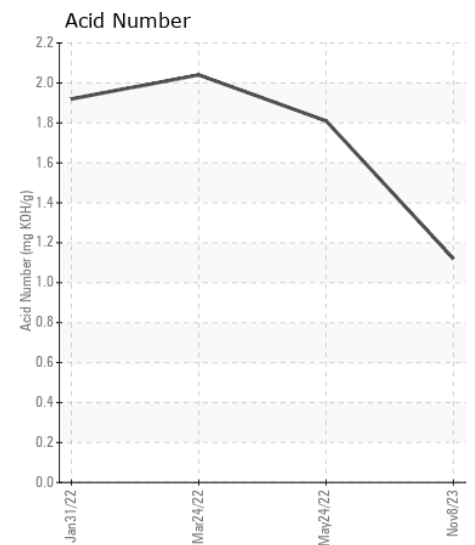
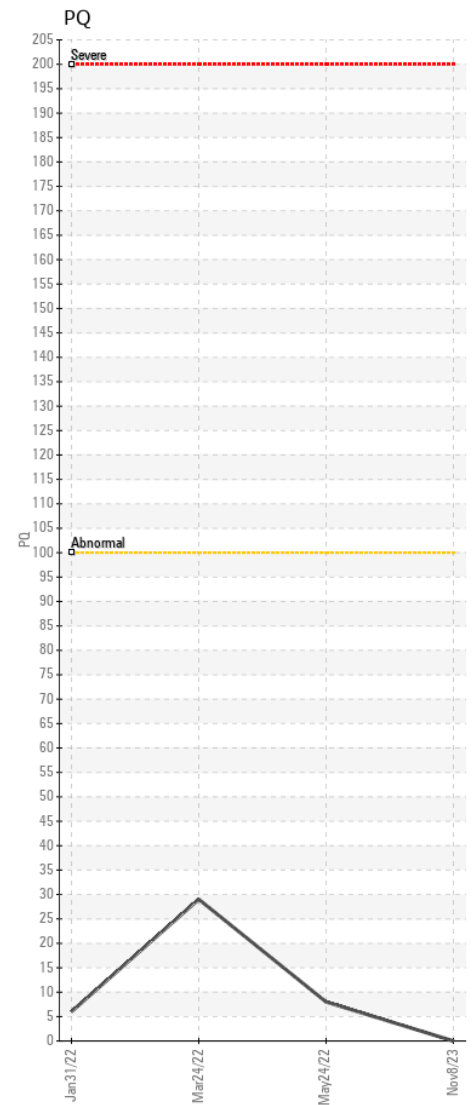
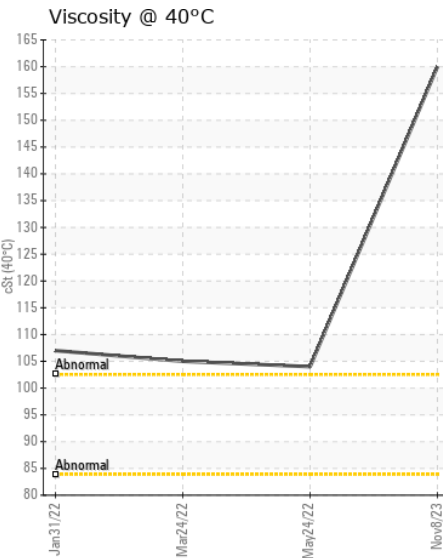
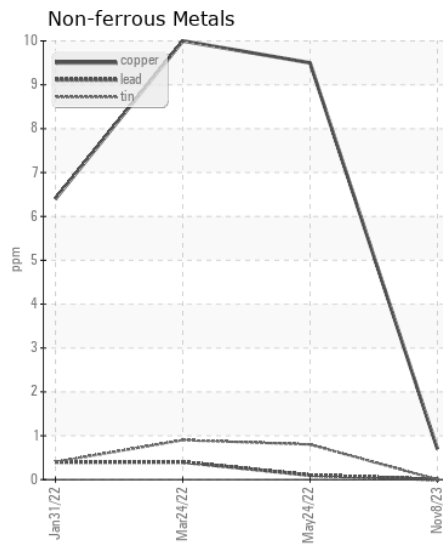
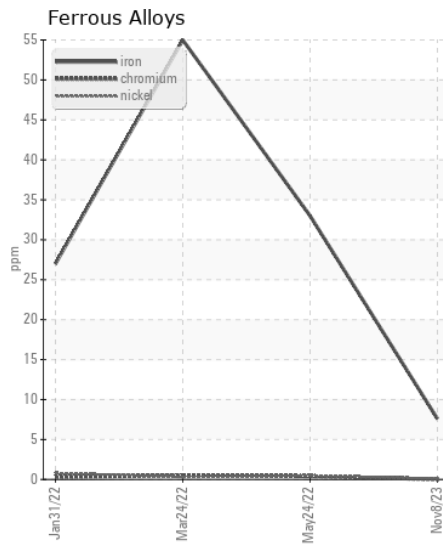
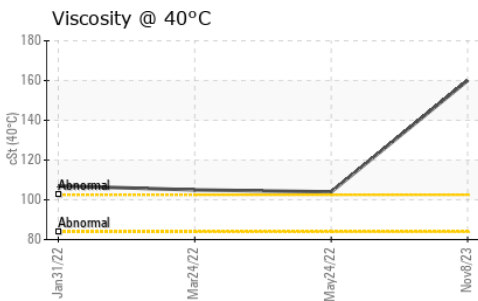
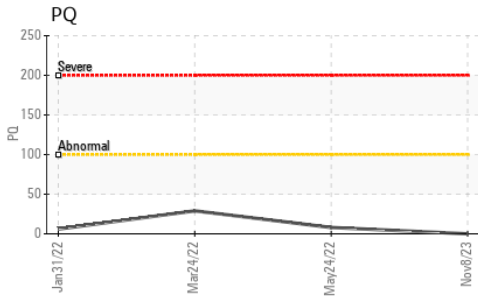
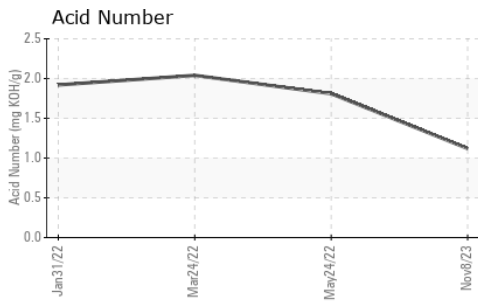
CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PP	PP	PP
Sample Date		Client Info		08 Nov 2023	24 May 2022	24 Mar 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184*		0	8	29
Iron	ppm	ASTM D5185(m)	>50	8	33	▲ 55
Chromium	ppm	ASTM D5185(m)	>10	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)		<1	<1	6
Lead	ppm	ASTM D5185(m)	>15	0	<1	<1
Copper	ppm	ASTM D5185(m)	>10	<1	10	● 10
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>25	2	2	15
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<1	2	4
Boron	ppm	ASTM D5185(m)		173	532	529
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		0	<1	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		0	1014	987
Calcium	ppm	ASTM D5185(m)		2	24	27
Phosphorus	ppm	ASTM D5185(m)		986	1709	1637
Zinc	ppm	ASTM D5185(m)		3	12	11
Sulfur	ppm	ASTM D5185(m)		20173	21293	20550
Acid Number (AN)	mg KOH/g	ASTM D974*		1.12	1.81	2.04
Visc @ 40°C	cSt	ASTM D7279(m)		160	104	105



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP
Lab Number : 02595396
Unique Number : 5672475
Test Package : MAR 2

Received : 09 Nov 2023
Tested : 13 Nov 2023
Diagnosed : 13 Nov 2023 - Kevin Marson

HIBERNIA MGMT & DEVELOPMENT CO. LTD
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 ST. JOHNS, NL
 CA A1C 6K3
 Contact: Christopher Michelau
 christopher.j.michelau@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.

T:
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