



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
RLR2
 Component
Hydraulic System
 Fluid
{not provided} (--- LTR)

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.

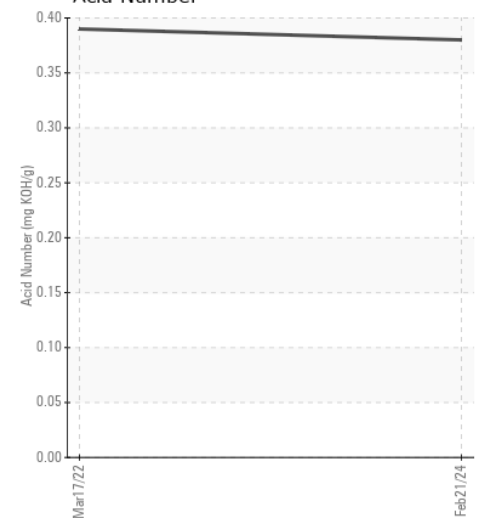
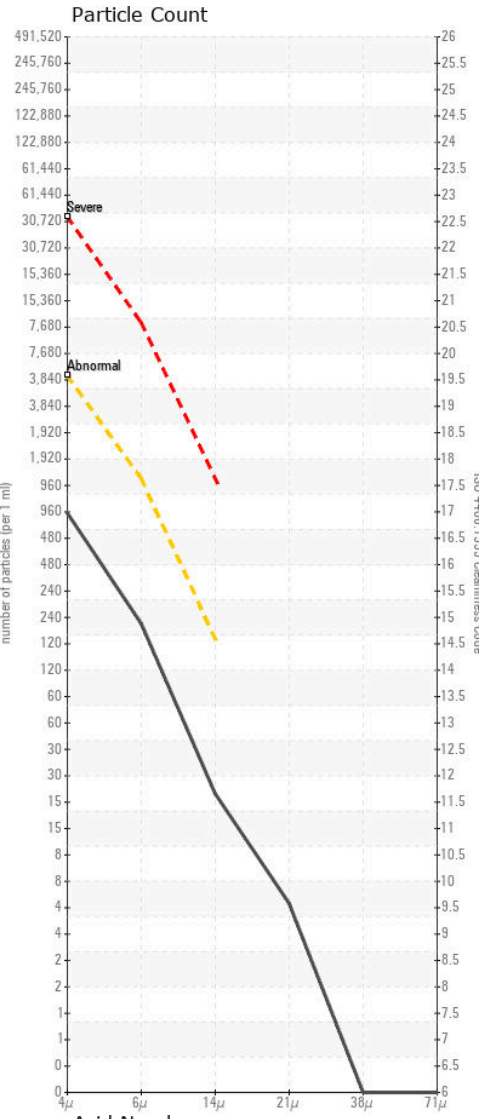
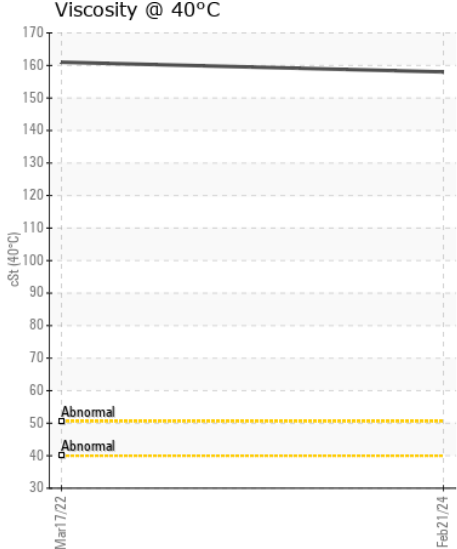
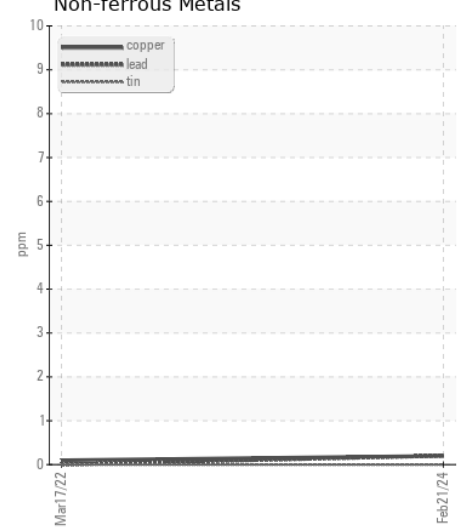
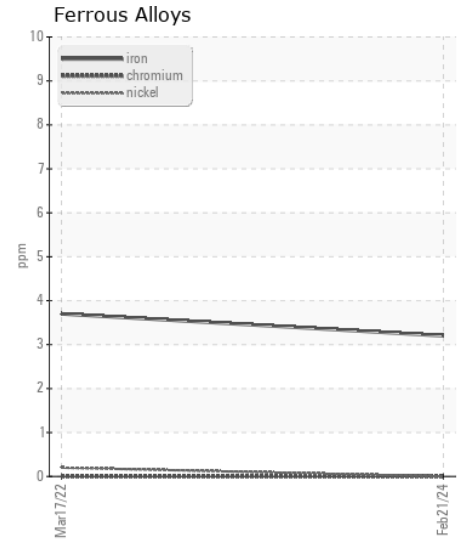
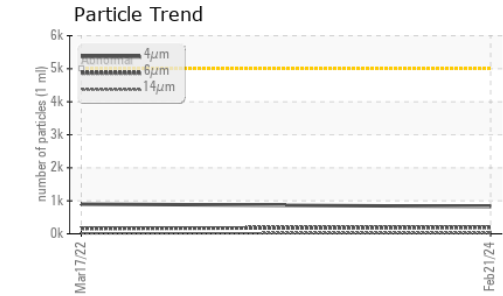
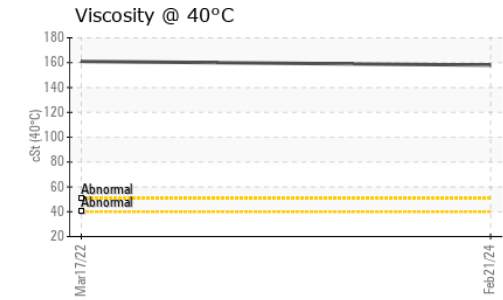
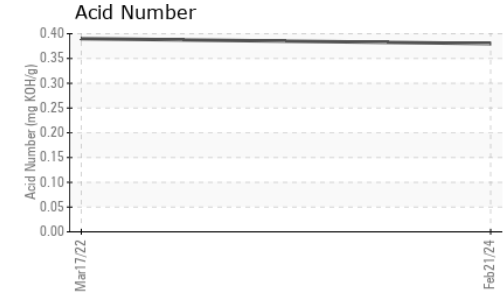
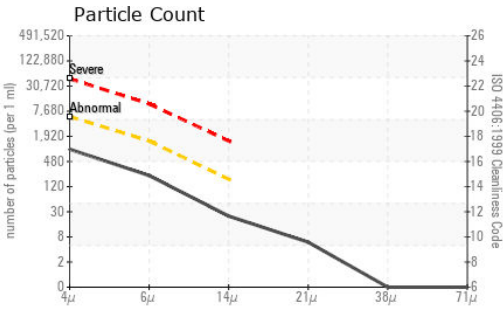
CONTAMINATION

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

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		WC979539	WC979540	---
Sample Date		Client Info		21 Feb 2024	17 Mar 2022	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>20	3	4	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>20	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	---
Lead	ppm	ASTM D5185(m)	>20	<1	0	---
Copper	ppm	ASTM D5185(m)	>20	<1	<1	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>15	16	17	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	828	900	---
Particles >6µm		ASTM D7647	>1300	195	164	---
Particles >14µm		ASTM D7647	>160	21	15	---
Particles >21µm		ASTM D7647	>40	5	5	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	17/15/11	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		<1	0	---
Boron	ppm	ASTM D5185(m)		<1	1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		1	<1	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		0	0	---
Calcium	ppm	ASTM D5185(m)		2	<1	---
Phosphorus	ppm	ASTM D5185(m)		390	419	---
Zinc	ppm	ASTM D5185(m)		2	2	---
Sulfur	ppm	ASTM D5185(m)		142	38	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.38	0.39	---
Visc @ 40°C	cSt	ASTM D7279(m)		158	161	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC979539 **Received** : 06 Mar 2024
Lab Number : 02620190 **Tested** : 07 Mar 2024
Unique Number : 5737300 **Diagnosed** : 07 Mar 2024 - Kevin Marson
Test Package : IND 2

NAV CANADA
 WINNIPEG AREA CONTROL CENTRE, 777 MORAY STREET
 WINNIPEG, MB
 CA R3J 3W8
 Contact: jim edwards

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.

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