



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
500-5 (S/N MSG408252)
 Component
Hydraulic System
 Fluid
PROLUBE AW 46 (--- 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0679987	WC0679969	---
Sample Date		Client Info		14 Jan 2024	17 Jun 2022	---
Machine Age	yrs	Client Info		10	14	---
Oil Age	yrs	Client Info		5	5	---
Filter Age	yrs	Client Info		1	1	---
Oil Changed		Client Info		Filtered	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	4	4	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
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	0	---
Lead	ppm	ASTM D5185(m)	>20	0	<1	---
Copper	ppm	ASTM D5185(m)	>20	6	6	---
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	---

CONTAMINATION

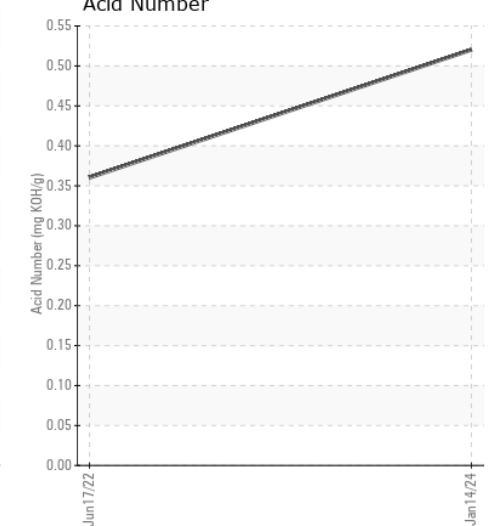
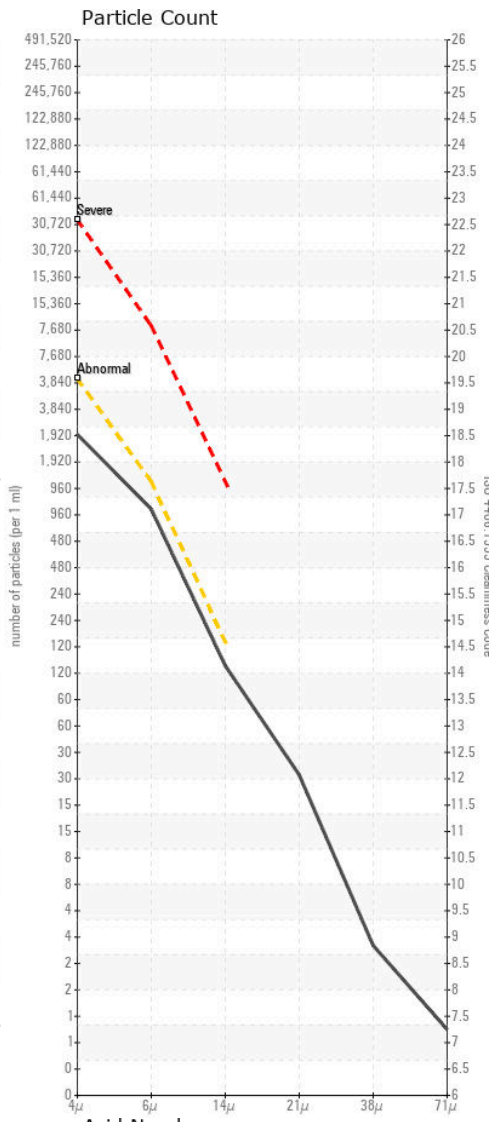
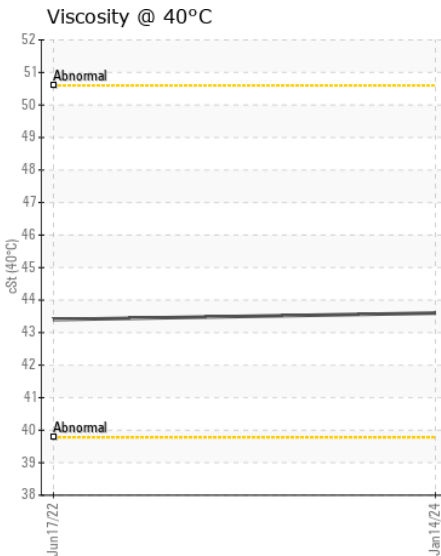
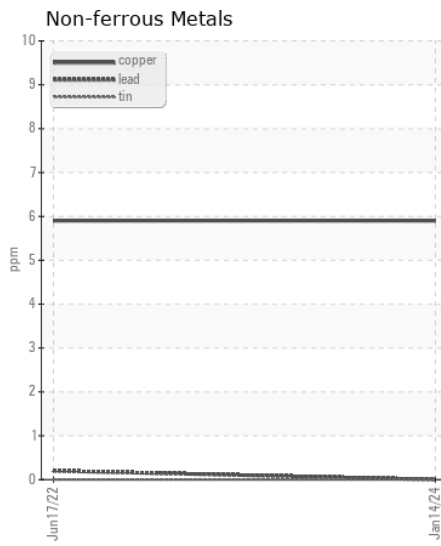
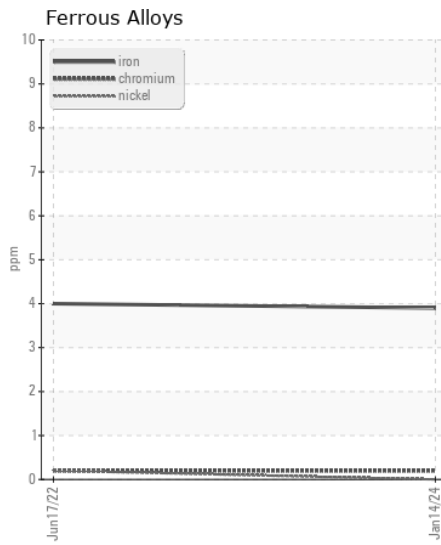
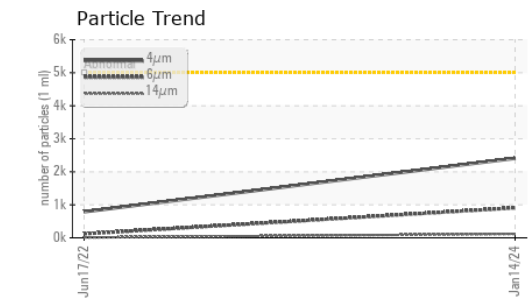
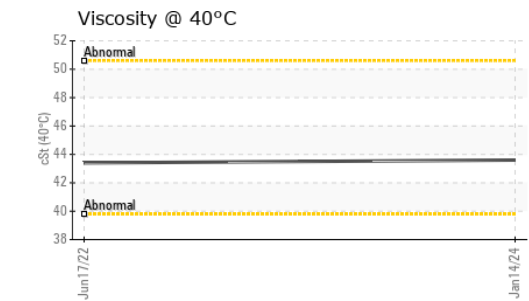
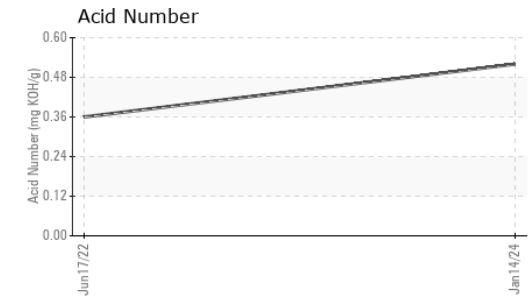
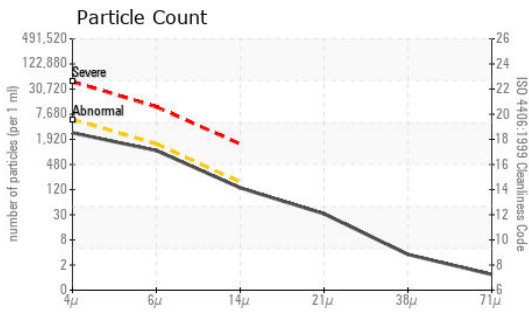
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	0	<1	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	2409	789	---
Particles >6µm		ASTM D7647	>1300	907	120	---
Particles >14µm		ASTM D7647	>160	117	9	---
Particles >21µm		ASTM D7647	>40	28	2	---
Particles >38µm		ASTM D7647	>10	3	0	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	17/14/10	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		0	<1	---
Boron	ppm	ASTM D5185(m)		0	0	---
Barium	ppm	ASTM D5185(m)		<1	<1	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		2	2	---
Calcium	ppm	ASTM D5185(m)		41	46	---
Phosphorus	ppm	ASTM D5185(m)		350	347	---
Zinc	ppm	ASTM D5185(m)		372	392	---
Sulfur	ppm	ASTM D5185(m)		850	874	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.52	0.36	---
Visc @ 40°C	cSt	ASTM D7279(m)		43.6	43.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0679987 **Received** : 16 Jan 2024
Lab Number : 02608994 **Diagnosed** : 17 Jan 2024
Unique Number : 5710080 **Diagnostician** : Wes Davis
Test Package : IND 2

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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