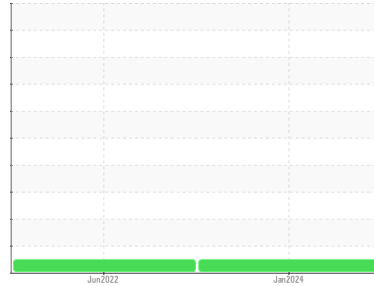




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
390-3 (S/N MSG304285)
 Component
Hydraulic System
 Fluid
PROLUBE AW 46 (1000 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0679989	WC0679970	---
Sample Date	Client Info			14 Jan 2024	17 Jun 2022	---
Machine Age	yrs	Client Info		10	14	---
Oil Age	yrs	Client Info		5	5	---
Oil Changed	Client Info			Filtered	Changed	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	NEG	NEG	---

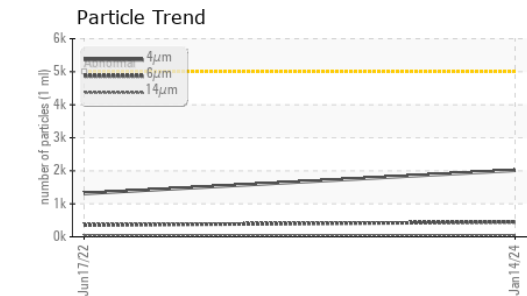
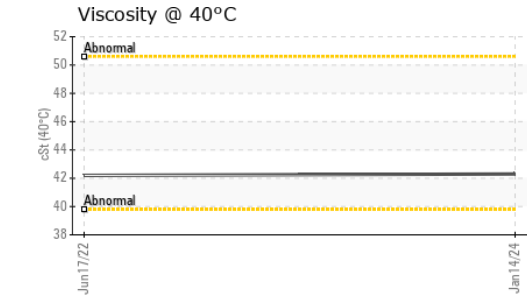
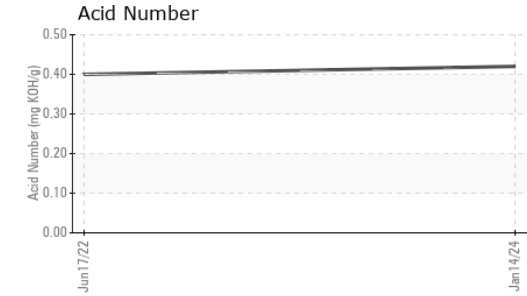
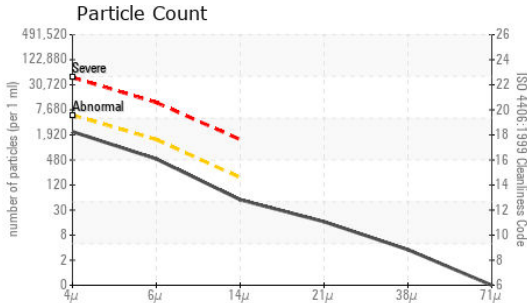
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>20	20	19	---
Chromium	ppm	ASTM D5185(m)	>20	<1	0	---
Nickel	ppm	ASTM D5185(m)	>20	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	0	---
Lead	ppm	ASTM D5185(m)	>20	0	0	---
Copper	ppm	ASTM D5185(m)	>20	2	2	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Antimony	ppm	ASTM D5185(m)		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)		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)		0	0	---
Calcium	ppm	ASTM D5185(m)		1	2	---
Phosphorus	ppm	ASTM D5185(m)		240	239	---
Zinc	ppm	ASTM D5185(m)		122	153	---
Sulfur	ppm	ASTM D5185(m)		714	742	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	1	---
Sodium	ppm	ASTM D5185(m)		0	0	---
Potassium	ppm	ASTM D5185(m)	>20	1	0	---



OIL ANALYSIS REPORT



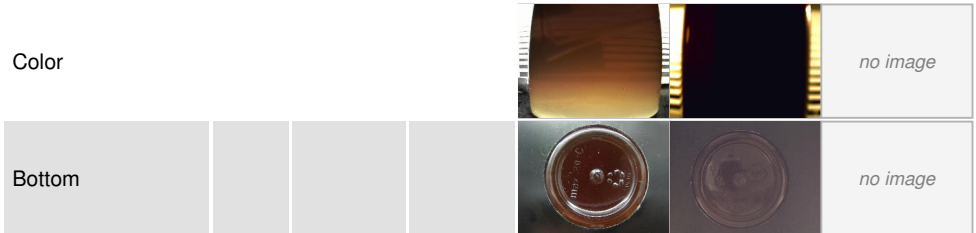
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	2012	1312	---
Particles >6µm	ASTM D7647	>1300	446	354	---
Particles >14µm	ASTM D7647	>160	47	44	---
Particles >21µm	ASTM D7647	>40	14	14	---
Particles >38µm	ASTM D7647	>10	3	1	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	18/16/13	18/16/13	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.42	0.40	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	NEG	NEG	---
Free Water	scalar	Visual*	NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	42.3	42.2	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0679989 **Received** : 16 Jan 2024
Lab Number : **02608996** **Diagnosed** : 17 Jan 2024
Unique Number : 5710082 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: PQ)

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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