



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
720-2 (S/N MMG611W46)
 Component
Hydraulic System
 Fluid
PROLUBE AW 46 (1400 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0679986	WC905912	---
Sample Date		Client Info		14 Jan 2024	15 Jan 2021	---
Machine Age	hrs	Client Info		10	0	---
Oil Age	hrs	Client Info		5	0	---
Filter Age	hrs	Client Info		1	0	---
Oil Changed		Client Info		Filtered	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	16	15	---
Chromium	ppm	ASTM D5185(m)	>20	8	6	---
Nickel	ppm	ASTM D5185(m)	>20	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	---
Lead	ppm	ASTM D5185(m)	>20	2	2	---
Copper	ppm	ASTM D5185(m)	>20	25	27	---
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

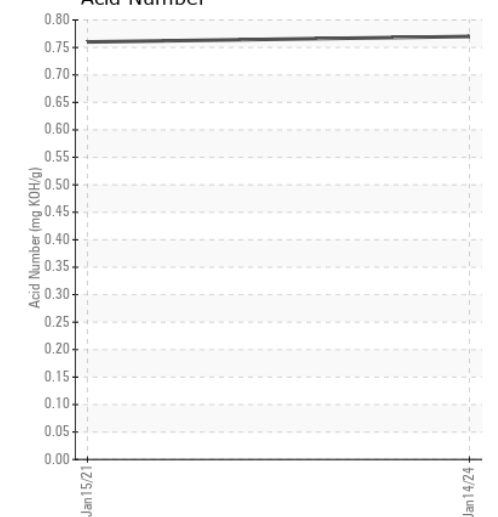
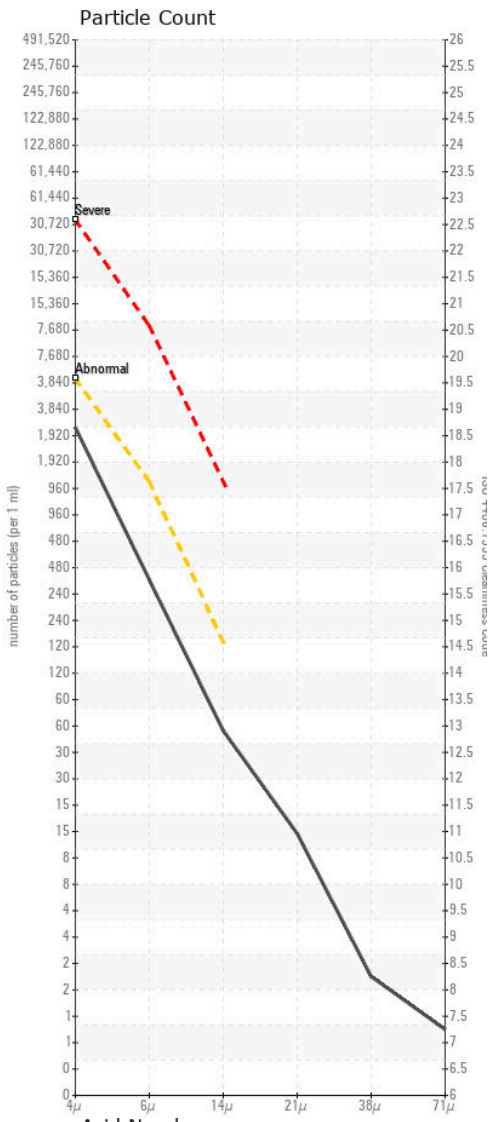
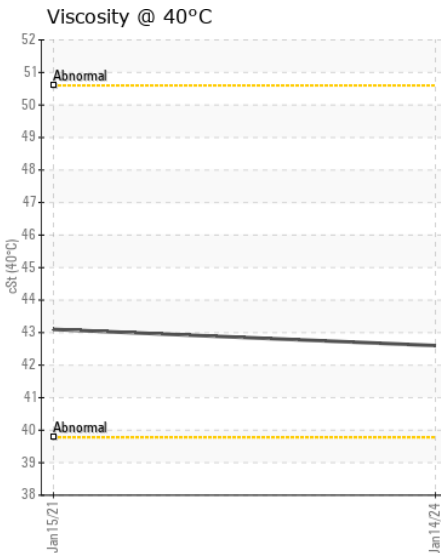
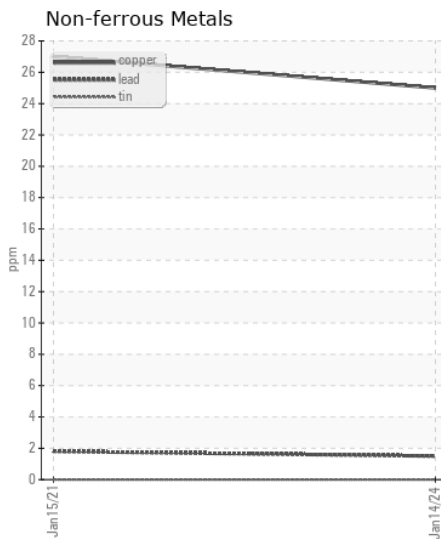
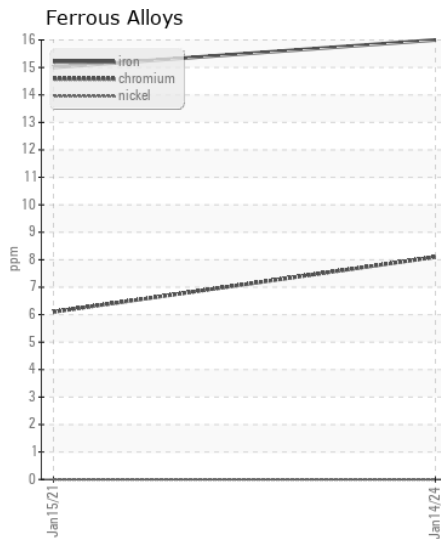
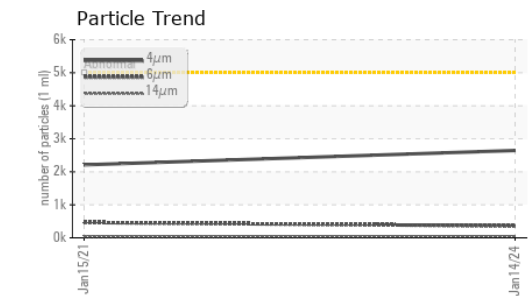
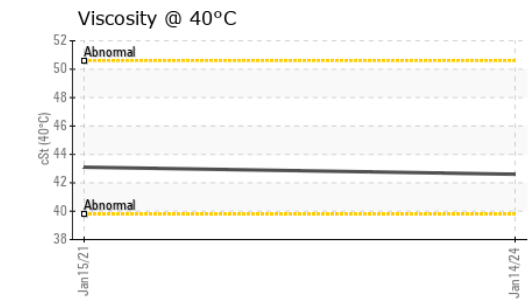
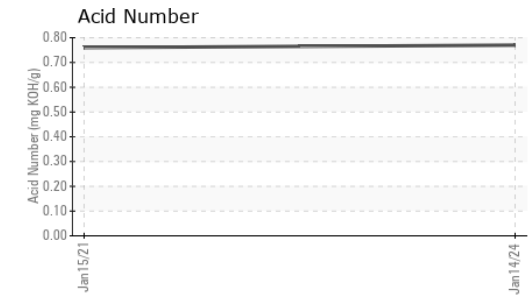
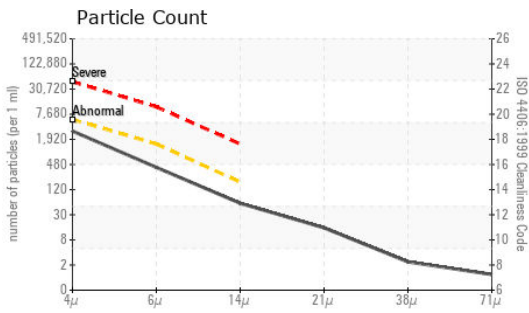
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	1	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	2645	2210	---
Particles >6µm		ASTM D7647	>1300	360	464	---
Particles >14µm		ASTM D7647	>160	50	41	---
Particles >21µm		ASTM D7647	>40	13	9	---
Particles >38µm		ASTM D7647	>10	2	0	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/13	18/16/13	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
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)		2	2	---
Boron	ppm	ASTM D5185(m)		<1	1	---
Barium	ppm	ASTM D5185(m)		<1	<1	---
Molybdenum	ppm	ASTM D5185(m)		<1	<1	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		22	23	---
Calcium	ppm	ASTM D5185(m)		144	153	---
Phosphorus	ppm	ASTM D5185(m)		297	298	---
Zinc	ppm	ASTM D5185(m)		330	356	---
Sulfur	ppm	ASTM D5185(m)		1495	1547	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.77	0.76	---
Visc @ 40°C	cSt	ASTM D7279(m)		42.6	43.1	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0679986 **Received** : 16 Jan 2024
Lab Number : 02608995 **Diagnosed** : 17 Jan 2024
Unique Number : 5710081 **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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