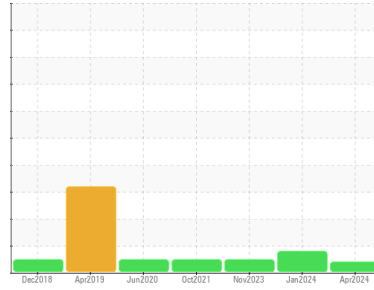




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
MELT PUMP
 Machine Id
MPUMP-007

Component
Gearbox

Fluid
AMSOIL GIS220 NON EP SYNTHETIC GEAR OIL (3 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please submit a sample of the new (unused) oil to establish a baseline. Please note that this is a corrected copy for diagnostic comment updates.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0904438	WC0883744	WC0774621
Sample Date	Client Info		19 Apr 2024	01 Jan 2024	27 Nov 2023
Machine Age	Client Info		0	0	0
Oil Age	Client Info		0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	ATTENTION	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	31	114	21
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	16	<1	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Antimony	ppm	ASTM D5185m	>5	---	---	---
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	33	14
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	2	0
Magnesium	ppm	ASTM D5185m		0	6	0
Calcium	ppm	ASTM D5185m		61	454	33
Phosphorus	ppm	ASTM D5185m		317	491	338
Zinc	ppm	ASTM D5185m		169	158	6
Sulfur	ppm	ASTM D5185m		2914	7320	7281

CONTAMINANTS

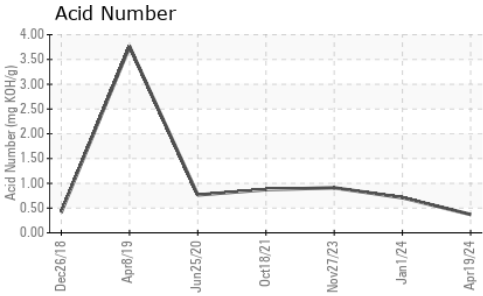
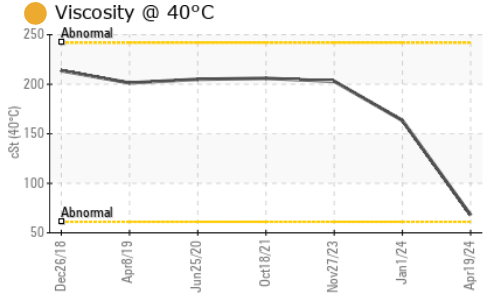
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	8	4	3
Sodium	ppm	ASTM D5185m		12	2	<1
Potassium	ppm	ASTM D5185m	>20	23	<1	0

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.71	0.91



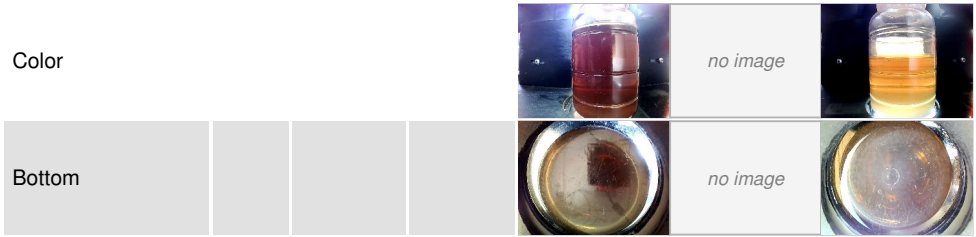
OIL ANALYSIS REPORT



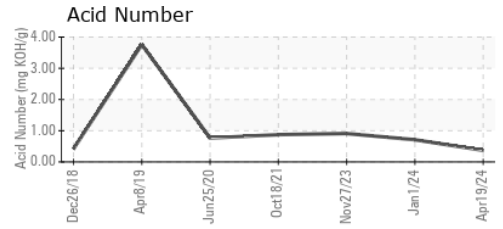
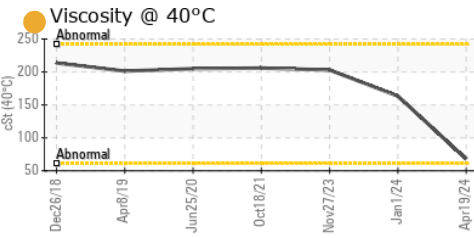
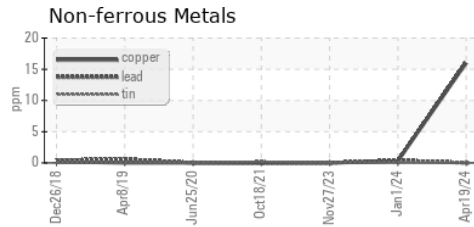
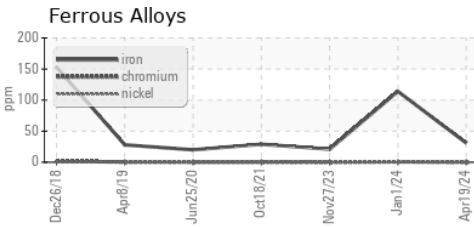
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	● 67.93	● 163.4	203

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0904438 **Received** : 26 Apr 2024
Lab Number : 06161599 **Tested** : 02 May 2024
Unique Number : 10997022 **Diagnosed** : 02 May 2024 - Doug Bogart
Test Package : IND 2

PRINSCO - BERESFORD
 600 NORTH 16TH ST
 BERESFORD, SD
 US 57004
 Contact: CHRIS SETNAR
 christopher.setnar@prinsco.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)