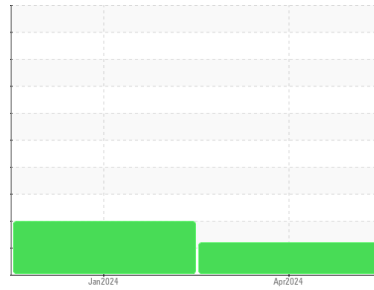




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**NORTH PRESS**  
 Component  
**Hydraulic System**  
 Fluid  
 {not provided} (--- GAL)

## DIAGNOSIS

### ▲ Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### 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		<b>PE0002640</b>	PE0002634	---
Sample Date	Client Info		<b>16 Apr 2024</b>	21 Jan 2024	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>15</b>	16	---
Iron	ppm	ASTM D5185m >20	<b>1</b>	2	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >10	<b>2</b>	2	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >75	<b>2</b>	4	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>5</b>	6	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>182</b>	221	---
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1	---
Calcium	ppm	ASTM D5185m	<b>45</b>	28	---
Phosphorus	ppm	ASTM D5185m	<b>507</b>	480	---
Zinc	ppm	ASTM D5185m	<b>489</b>	484	---
Sulfur	ppm	ASTM D5185m	<b>1638</b>	1495	---

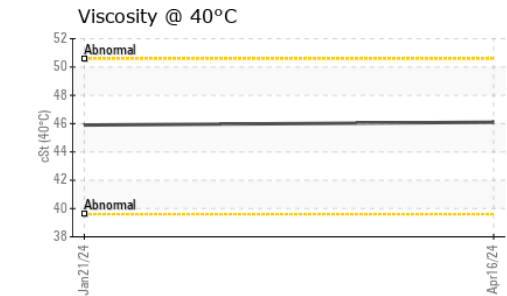
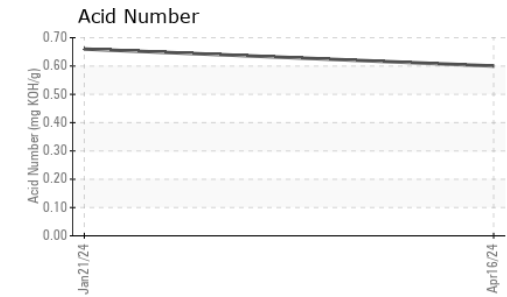
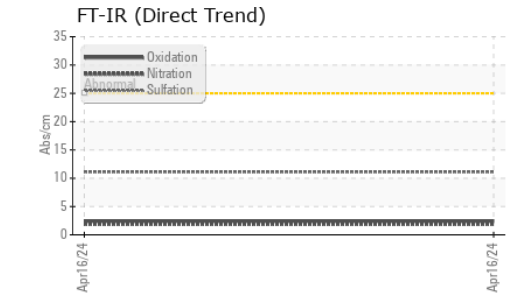
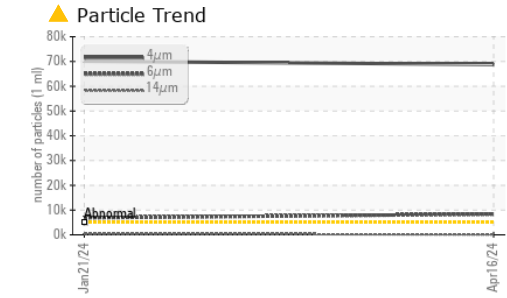
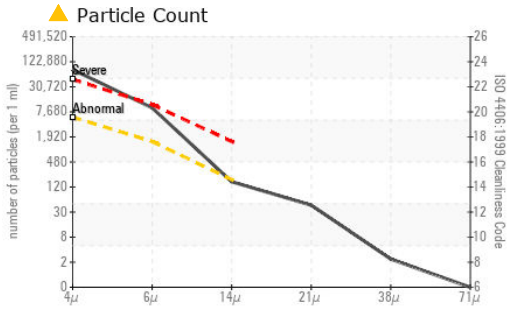
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>7</b>	2	---
Sodium	ppm	ASTM D5185m	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0</b>	---	---
Nitration	Abs/cm	*ASTM D7624	<b>1.9</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	<b>11.1</b>	---	---

# OIL ANALYSIS REPORT



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PE0002640  
**Lab Number** : 06161342  
**Unique Number** : 10996765  
**Test Package** : PLANT ( Additional Tests: FT-IR, ICP, KV40, OxidationStability, PQ, PrtCount, SCRT)

**PRESCO**  
 4049 CARSON AVE HAZELGREEN RD NE  
 SALEM, OR  
 US 97305  
 (503) 325-3111  
 Service Manager

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)

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 68790	▲ 70083	---
Particles >6µm	ASTM D7647	>1300	▲ 8354	▲ 6870	---
Particles >14µm	ASTM D7647	>160	142	▲ 358	---
Particles >21µm	ASTM D7647	>40	39	▲ 136	---
Particles >38µm	ASTM D7647	>10	2	8	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/20/14	▲ 23/20/16	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414		2.4	---	---
Acid Number (AN)	mg KOH/g ASTM D8045		0.60	0.66	---

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	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	>0.1	NEG	NEG	---
Free Water	scalar *Visual		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445		46.1	45.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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