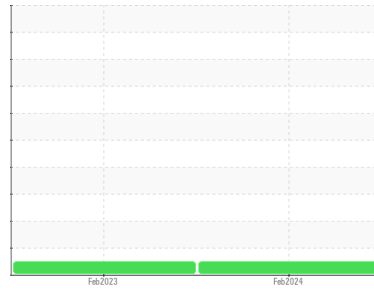




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
[185209-N2STV4W]

Machine Id

**E-15**

Component

**Hydraulic System**

Fluid

**AW HYDRAULIC OIL ISO 46 (45 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are 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			<b>PH06180130</b>	PH05928126	---
Sample Date	Client Info			<b>20 Feb 2024</b>	17 Feb 2023	---
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>NORMAL</b>	NORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>20	<b>5</b>	5	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

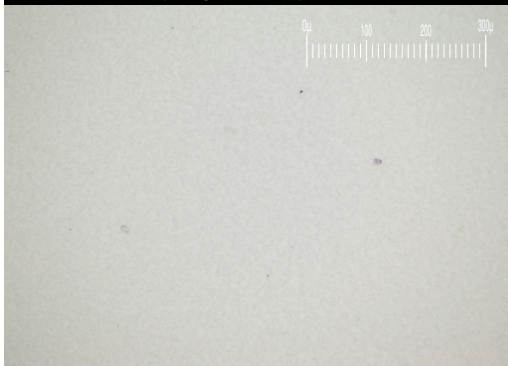
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	5	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	25	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	200	<b>56</b>	62	---
Phosphorus	ppm	ASTM D5185m	300	<b>386</b>	354	---
Zinc	ppm	ASTM D5185m	370	<b>451</b>	444	---
Sulfur	ppm	ASTM D5185m	2500	<b>1050</b>	1113	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>4</b>	5	---
Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>217</b>	308	---
Particles >6µm		ASTM D7647	>2500	<b>30</b>	79	---
Particles >14µm		ASTM D7647	>320	<b>5</b>	12	---
Particles >21µm		ASTM D7647	>80	<b>1</b>	3	---
Particles >38µm		ASTM D7647	>20	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>15/12/10</b>	15/13/11	---

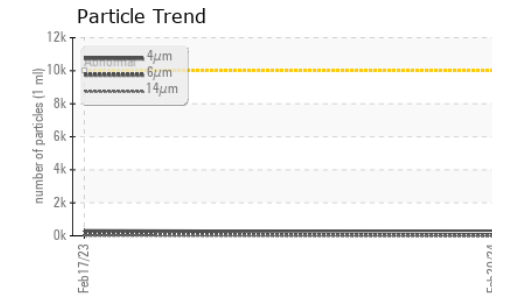
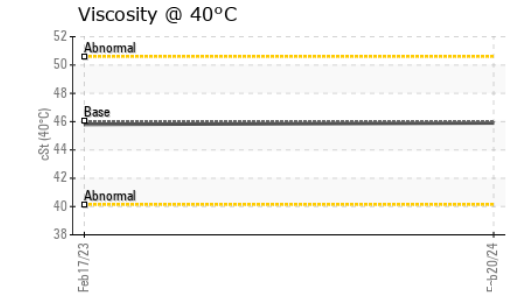
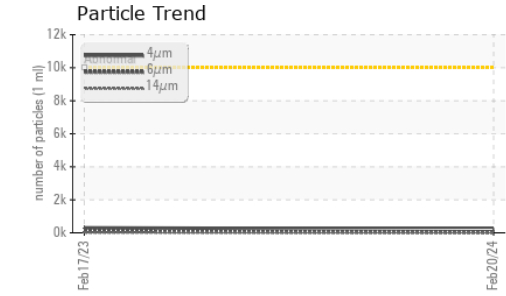
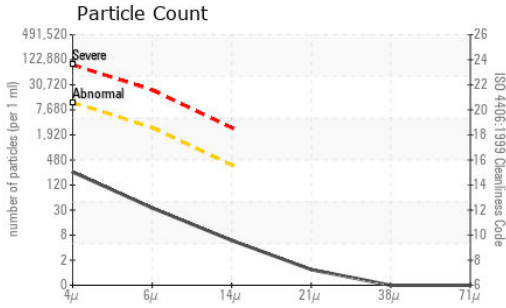
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>0.36</b>	0.35	---

Particle Filter (Magn: 200 x)





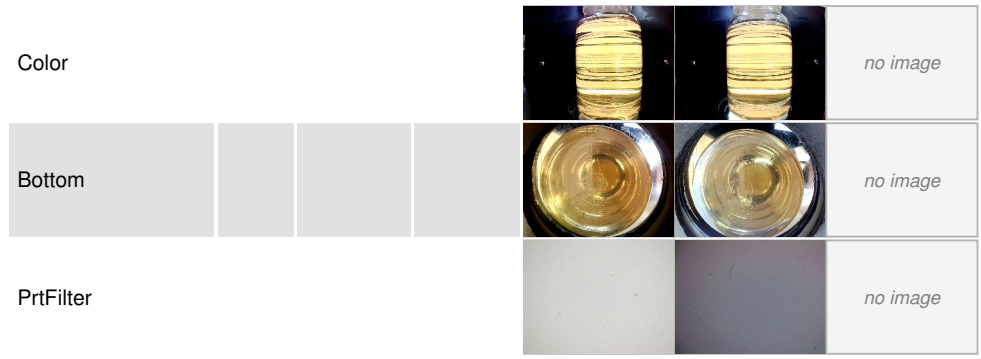
# OIL ANALYSIS REPORT



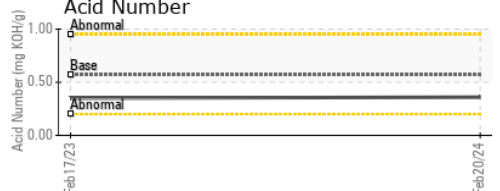
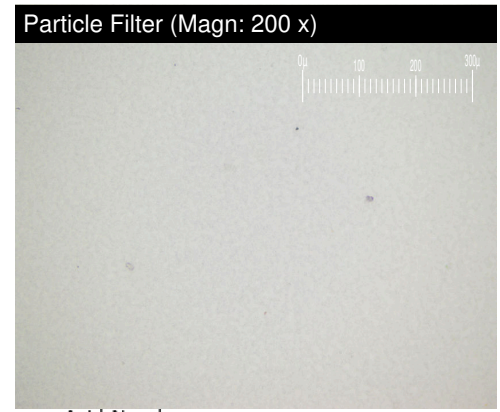
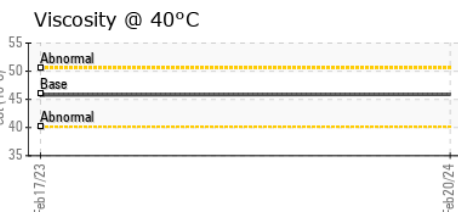
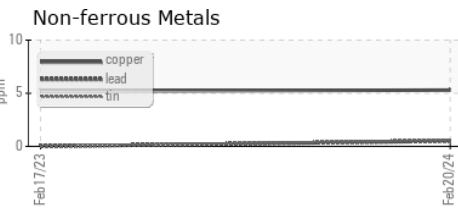
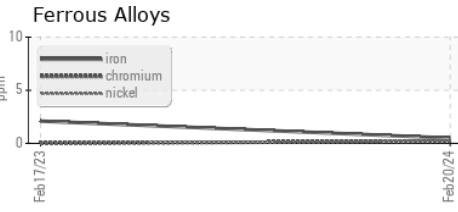
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>45.9</b>	45.8	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH06180130      **Received** : 15 May 2024  
**Lab Number** : **06180130**      **Tested** : 18 May 2024  
**Unique Number** : 11031456      **Diagnosed** : 18 May 2024 - Jonathan Hester  
**Test Package** : PLANT ( Additional Tests: PrtFilter )

**TRELLEBORG HEALTHCARE AND MEDICAL**  
 3077 ROLLIE GATE DR  
 PASO POBLES, CA  
 US 93446  
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 DARRYL.DRUM@TRELLEBORG.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)