



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
62-P2-24 (S/N 60B)
 Component
Hydraulic System
 Fluid
Skydrol (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Chlorine is 263 ppm.

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	WC0887182	---	---
Sample Date	Client Info	16 Apr 2024	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	---
Barium	ppm	ASTM D5185m	0	---
Molybdenum	ppm	ASTM D5185m	0	---
Manganese	ppm	ASTM D5185m	0	---
Magnesium	ppm	ASTM D5185m	8	---
Calcium	ppm	ASTM D5185m 110	142	---
Phosphorus	ppm	ASTM D5185m 37	25430	---
Zinc	ppm	ASTM D5185m	74	---
Sulfur	ppm	ASTM D5185m 220	2064	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	---
Sodium	ppm	ASTM D5185m	2	---
Potassium	ppm	ASTM D5185m >20	18	---
Chlorine Content	ppm	ASTM D5185m	263	---
Water	%	ASTM D6304 >0.750	NEG	---

FLUID CLEANLINESS

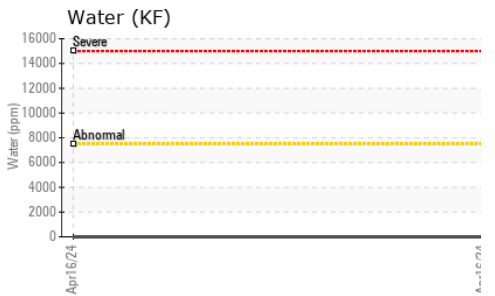
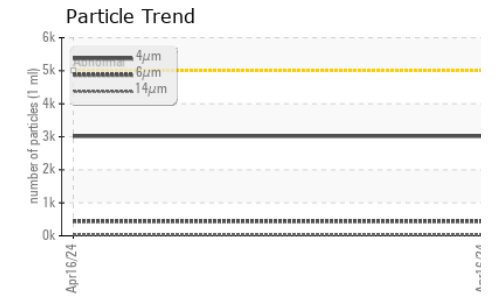
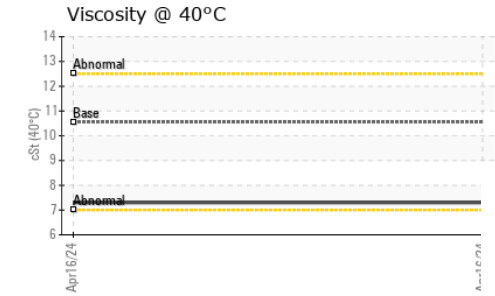
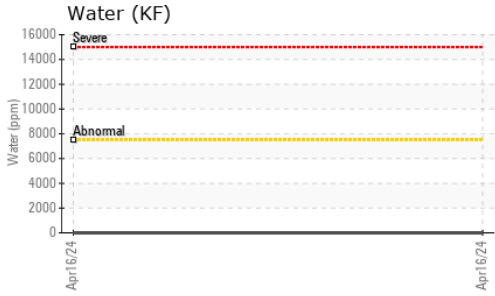
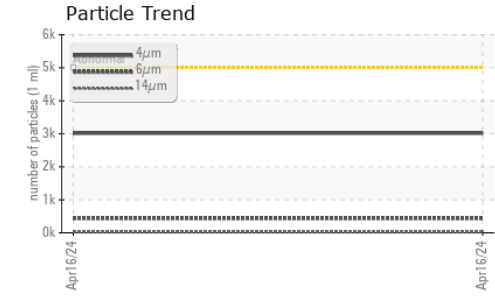
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	3016	---
Particles >6µm	ASTM D7647	>1300	439	---
Particles >14µm	ASTM D7647	>160	27	---
Particles >21µm	ASTM D7647	>40	7	---
Particles >38µm	ASTM D7647	>10	1	---
Particles >71µm	ASTM D7647	>3	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/16/12	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.04	1.063	---



OIL ANALYSIS REPORT



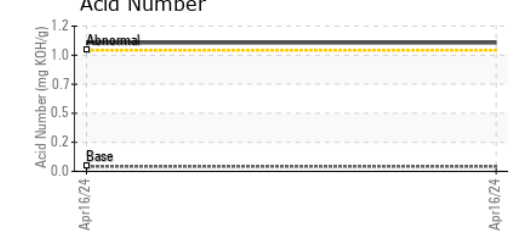
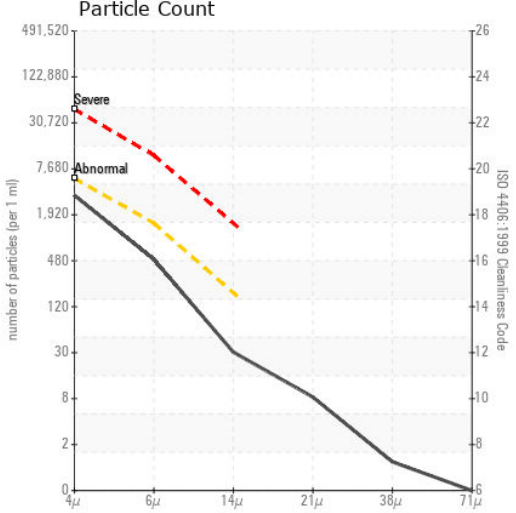
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.750	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	10.55	7.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0887182 **Received** : 23 Apr 2024
Lab Number : 06158208 **Tested** : 26 Apr 2024
Unique Number : 10993631 **Diagnosed** : 26 Apr 2024 - Jonathan Hester
Test Package : PLANT (Additional Tests: CHLORINEXRF)

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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)