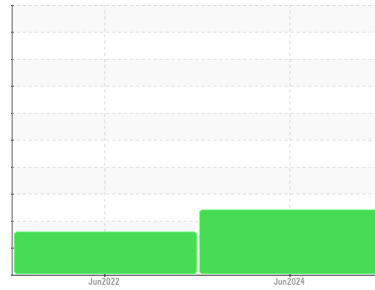




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

OKLAHOMA/102/EG - OTHER SERVICE

Machine Id

87.29 [OKLAHOMA^102^EG - OTHER SERVICE]

Component

Rear Right Final Drive

Fluid

MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor. (Customer Sample Comment: 8729 hours)

Wear

All component wear rates are normal.

Contamination

Appearance is milky. There is a moderate concentration of water present in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0925169	WC0686931	---
Sample Date	Client Info		04 Jun 2024	29 Jun 2022	---
Machine Age	days	Client Info	8729	1823	---
Oil Age	days	Client Info	1415	1823	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	387	518	---
Chromium	ppm	ASTM D5185m >10	5	5	---
Nickel	ppm	ASTM D5185m >10	<1	<1	---
Titanium	ppm	ASTM D5185m	1	<1	---
Silver	ppm	ASTM D5185m	0	<1	---
Aluminum	ppm	ASTM D5185m >25	5	2	---
Lead	ppm	ASTM D5185m >25	0	<1	---
Copper	ppm	ASTM D5185m >50	1	4	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	135	5	---
Barium	ppm	ASTM D5185m	0	5	---
Molybdenum	ppm	ASTM D5185m	1	<1	---
Manganese	ppm	ASTM D5185m	3	4	---
Magnesium	ppm	ASTM D5185m	10	1	---
Calcium	ppm	ASTM D5185m	160	59	---
Phosphorus	ppm	ASTM D5185m	940	326	---
Zinc	ppm	ASTM D5185m	59	69	---
Sulfur	ppm	ASTM D5185m	25852	19045	---

CONTAMINANTS

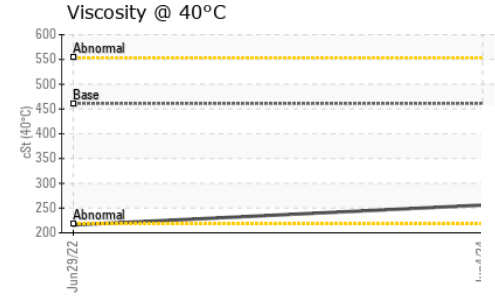
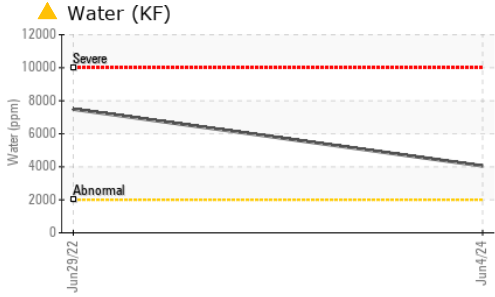
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	40	4	---
Sodium	ppm	ASTM D5185m	6	2	---
Potassium	ppm	ASTM D5185m >20	4	1	---
Water	%	ASTM D6304 >0.2	▲ 0.405	▲ 0.749	---
ppm Water	ppm	ASTM D6304 >2000	▲ 4050	▲ 7490	---

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	MODER	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	● MILKY	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.2	▲ 0.2%	▲ 0.2%	---
Free Water	scalar	*Visual	NEG	NEG	---



OIL ANALYSIS REPORT



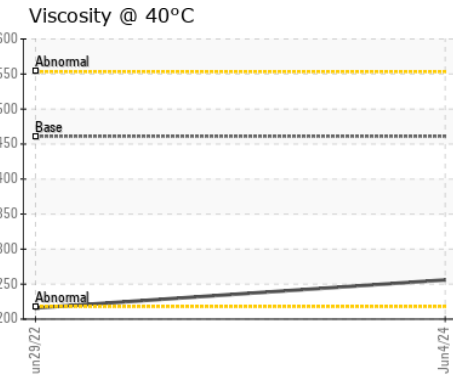
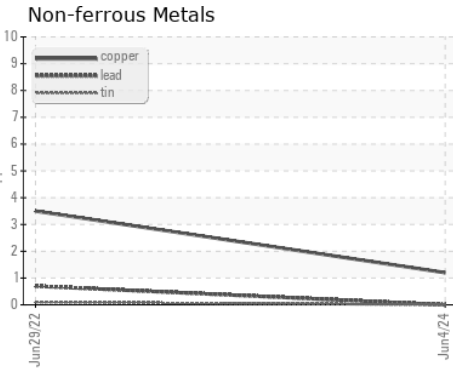
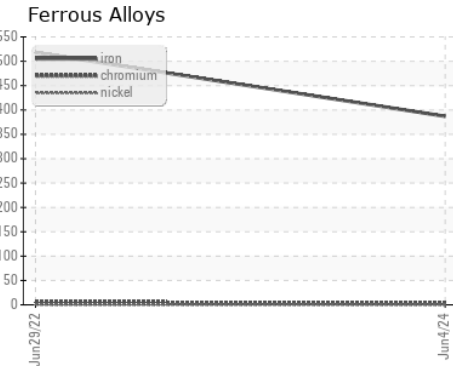
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	461	256	216

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0925169 **Received** : 10 Jun 2024
Lab Number : 06205809 **Tested** : 13 Jun 2024
Unique Number : 11073270 **Diagnosed** : 13 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

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)