

# **OIL ANALYSIS REPORT**

# Area OKLAHOMA/102 87.33 [OKLAHOMA^102]

Right Final Drive Fluid MOBIL MOBILUBE HD 85W140 (--- GAL)

### DIAGNOSIS

## Recommendation

The oil change at the time of sampling has been noted. 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.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



Sample Rating Trend

Sample Number		Client Info		WC0914566		
Sample Date		Client Info		02 Apr 2024		
Machine Age	hrs	Client Info		4640		
Oil Age	hrs	Client Info		4640		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	77		
Chromium	ppm	ASTM D5185m	>10	2		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	8		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>5</b>		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		5		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		45		
Calcium	ppm	ASTM D5185m		2905		
Phosphorus	ppm	ASTM D5185m		1004		
Zinc	ppm	ASTM D5185m		1239		
Sulfur	ppm	ASTM D5185m		7947		
				1341		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	9		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	2		
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	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
37:58) Bev: 1					Submitted By: S	



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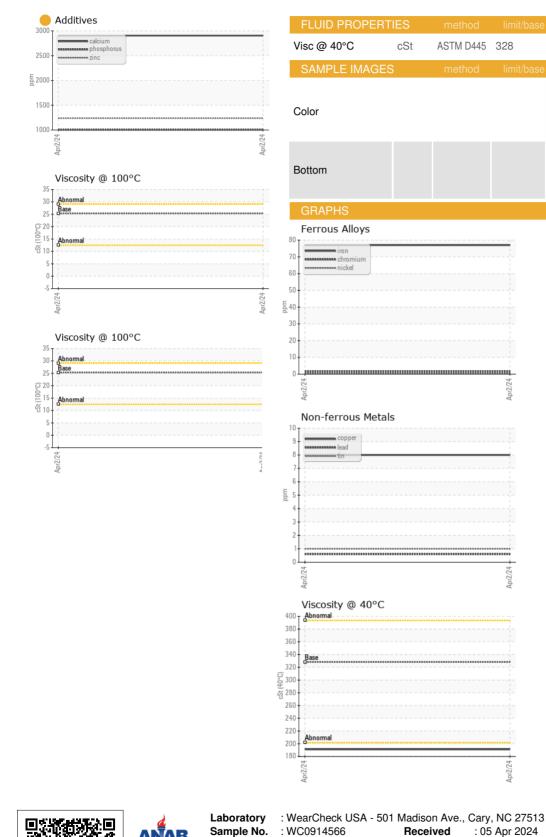
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SHERWOOD CONSTRUCTION CO INC : 05 Apr 2024 3219 WEST MAY ST : 10 Apr 2024 WICHITA, KS : 11 Apr 2024 - Don Baldridge US 67213 Contact: DOUG KING To discuss this sample report, contact Customer Service at 1-800-237-1369. Doug.King@sherwood.net \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: SHEWIC [WUSCAR] 06139480 (Generated: 04/12/2024 03:37:58) Rev: 1

Certificate 12367

Lab Number : 06139480

Unique Number : 10964288

Test Package : CONST (Additional Tests: KV100)

Tested

Diagnosed

Submitted By: SHAWN SOUTH Page 2 of 2