

# **OIL ANALYSIS REPORT**

# **OKLAHOMA/102/EG - OTHER SERVICE** 21.42L [OKLAHOMA^102^EG - OTHER SERVICE]

**Front Right Final Drive** 

**MOBIL MOBILUBE HD PLUS 85W140 (3 QTS)** 



Sample Rating Trend



### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### Fluid Condition

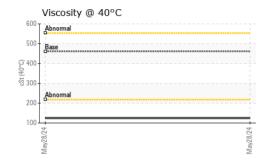
Confirm oil type. The condition of the oil is acceptable for the time in service.

ΓS)				May2024		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0935279		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		6738		
Oil Age	hrs	Client Info		1000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	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	187		
Chromium	ppm	ASTM D5185m	>10	3		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	4		
Lead	ppm	ASTM D5185m	>25	4		
Copper	ppm	ASTM D5185m	>50	12		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		82		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		7		
Magnesium	ppm	ASTM D5185m		4		
Calcium	ppm	ASTM D5185m		16		
Phosphorus	ppm	ASTM D5185m		808		
Zinc	ppm	ASTM D5185m		9		
Sulfur	ppm	ASTM D5185m		21072		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	34		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
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		
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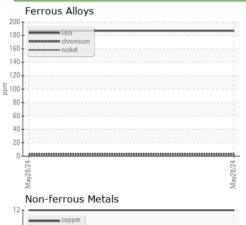
Submitted By: RUSTY RILEY

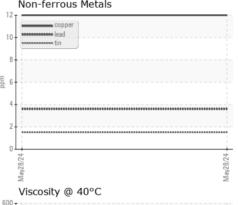


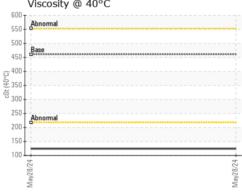
## **OIL ANALYSIS REPORT**



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	461	124		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						











Certificate 12367

Laboratory

Sample No. : WC0935279 Lab Number : 06208147

Unique Number : 11075608 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jun 2024

Tested : 14 Jun 2024 Diagnosed : 14 Jun 2024 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC

3219 WEST MAY ST WICHITA, KS US 67213

Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

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)

Report Id: SHEWIC [WUSCAR] 06208147 (Generated: 06/15/2024 11:44:40) Rev: 1

Submitted By: RUSTY RILEY

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