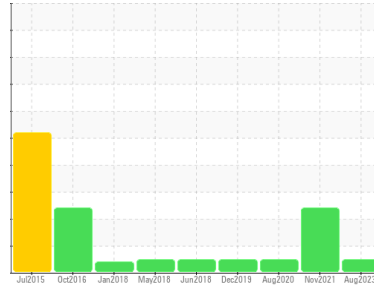




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
OKLAHOMA/102/DR - MOTOR GRADER
 Machine Id
78.80 [OKLAHOMA^102^DR - MOTOR GRADER]
 Component
Left Tandem
 Fluid
MOBIL MOBILUBE HD 85W140 (--- 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.

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		WC0834020	WC0622836	WC0488866
Sample Date	Client Info		07 Aug 2023	12 Nov 2021	28 Aug 2020
Machine Age	hrs	Client Info	1820	1407	972
Oil Age	hrs	Client Info	500	1000	555
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >425	121	68	136
Chromium	ppm	ASTM D5185m >5	0	<1	<1
Nickel	ppm	ASTM D5185m >5	<1	<1	<1
Titanium	ppm	ASTM D5185m	<1	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >5	7	2	2
Lead	ppm	ASTM D5185m	0	2	0
Copper	ppm	ASTM D5185m >8	<1	0	<1
Tin	ppm	ASTM D5185m	0	0	0
Antimony	ppm	ASTM D5185m >5	---	3	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	122	93	95
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	2	0	2
Manganese	ppm	ASTM D5185m	1	<1	1
Magnesium	ppm	ASTM D5185m	8	2	14
Calcium	ppm	ASTM D5185m	57	55	177
Phosphorus	ppm	ASTM D5185m	1021	746	784
Zinc	ppm	ASTM D5185m	29	14	68
Sulfur	ppm	ASTM D5185m	33813	22506	21576

CONTAMINANTS

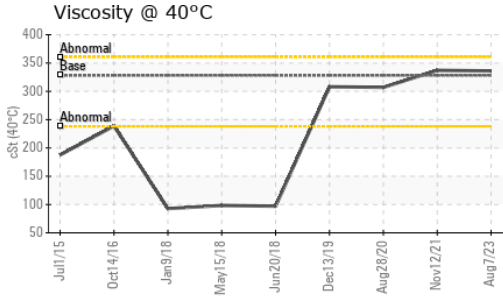
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	21	7	14
Sodium	ppm	ASTM D5185m	0	2	2
Potassium	ppm	ASTM D5185m >20	2	6	12

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	▲ HAZY	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	NEG	0.2%	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

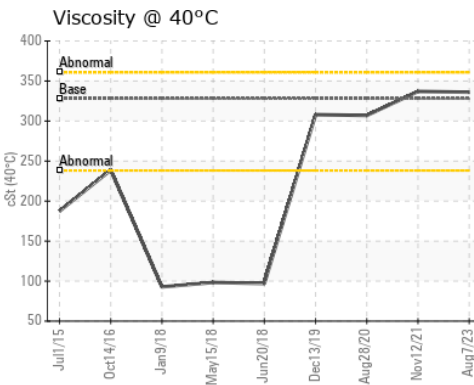
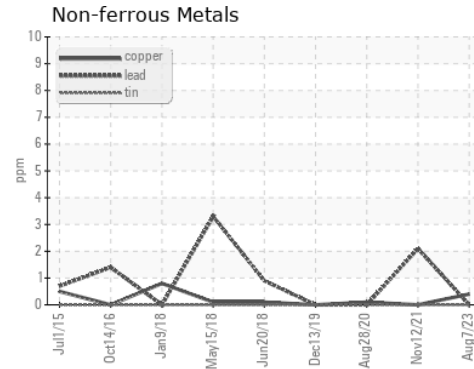
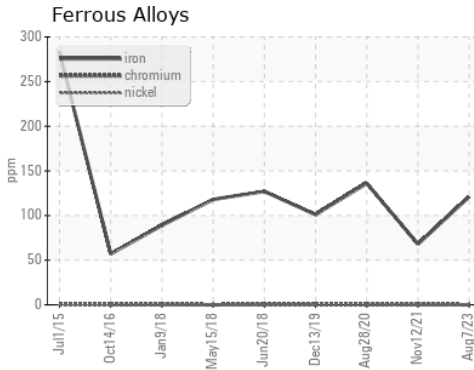


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	328	336	337	307

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0834020 **Received** : 14 Aug 2023
Lab Number : 05923767 **Diagnosed** : 15 Aug 2023
Unique Number : 10603714 **Diagnostician** : Don Baldrige
Test Package : CONST

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: JIMMY DERAMUS
 jimmy.deramus@sherwood.net
 T: (918)691-3306
 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)