

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

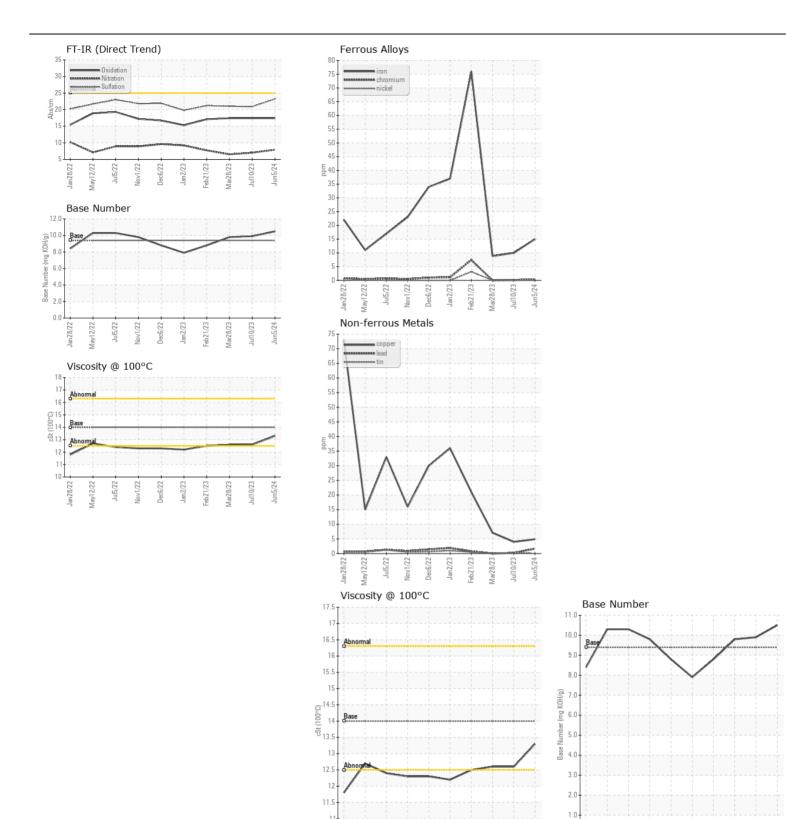


OKLAHOMA/102 Machine Id 38.86 [OKLAHOMA^102]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (11 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0908906	WC0821812	WC080081
	Sample Date		Client Info		05 Jun 2024	10 Jul 2023	28 Mar 202
	Machine Age	hrs	Client Info		5691	4733	4155
	Oil Age	hrs	Client Info		478	320	119
	Filter Age	hrs	Client Info		478	320	119
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	15	10	9
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	2	<1
	Lead	ppm	ASTM D5185m		2	<1	0
	Copper	ppm	ASTM D5185m	>330	5	4	7
	Tin	ppm	ASTM D5185m		0	<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	> 25	6	5	5
CONTAININATION	Potassium	ppm	ASTM D5185m	-	2	0	0
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	\3	0.5	0.3	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.0	6.5
	Sulfation	Abs/.1mm	*ASTM D7415		23.2	20.9	21.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Codium		ACTM DE10Em		· · · · · · · · · · · · · · · · · · ·	0	۰
FLUID CONDITION	Sodium	ppm	ASTM D5185m ASTM D5185m	0	3 29	2 30	2 46
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm			0	0	
	Barium	ppm	ASTM D5185m ASTM D5185m		23	33	0 35
	Molybdenum Manganese	ppm	ASTM D5185m	U	23 <1	<1	<1
	Magnesium	ppm	ASTM D5185m	0	305	410	390
	Calcium	ppm	ASTM D5185m	U	2537	2143	1892
	Phosphorus	ppm	ASTM D5185m		942	794	735
	Zinc	ppm	ASTM D5185m		942 1120	966	862
	Sulfur	ppm	ASTM D5185m			3399	2786
	Oxidation	ppm Abs/1mm		> 2F	4062		
		Abs/.1mm	*ASTM D7414		17.4 10.5	17.4	17.4
	Base Number (BN)	ilig KUH/g	49 LIVI D5030	5.4	10.5	9.9	9.8
	Visc @ 100°C	cSt	ASTM D445	4.4	13.3	12.6	12.6







Certificate L2367

Laboratory Sample No.

Lab Number : 06215623

: WC0908906

10.5

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Unique Number: 11088487

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed

Test Package : CONST (Additional Tests: TBN)

: 20 Jun 2024 : 21 Jun 2024

: 22 Jun 2024 - Don Baldridge

May12/22

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST

WICHITA, KS US 67213 Contact: SHAWN SOUTH

shawn.south@sherwood.net

T: x: F: x:

* - 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)