

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

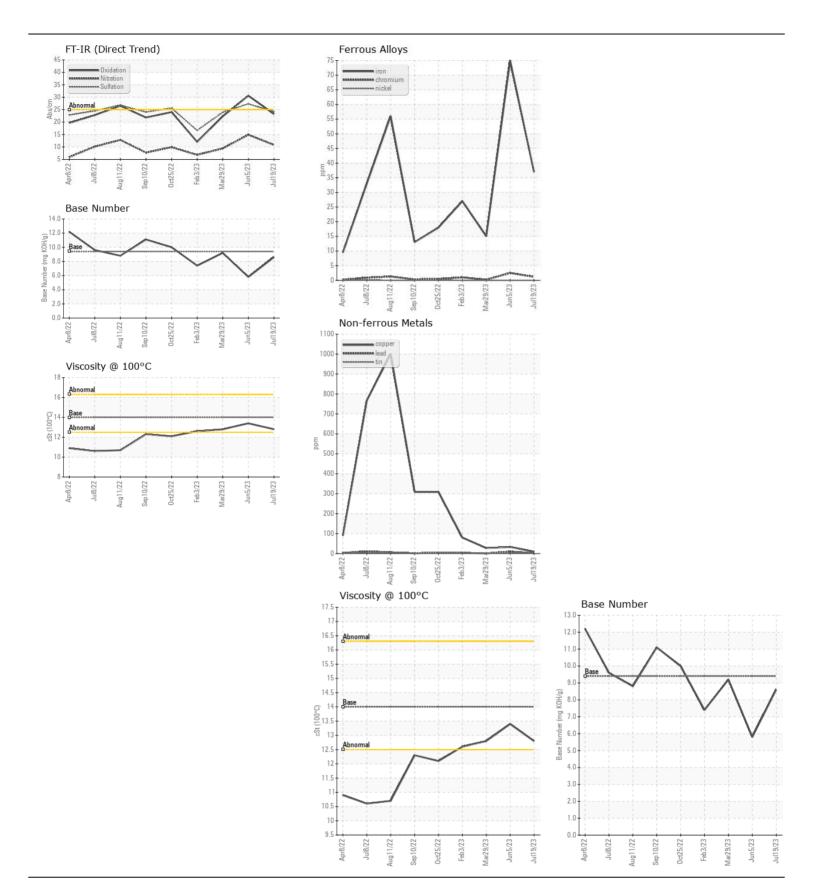
Area

OKLAHOMA/102 Machine Id 74.29 [OKLAHOMA^102] Component

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

MOBIL DELVAC 1300 SUPER1	5W40 (G <i>l</i>	\L)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0819887	WC0746883	WC0746772
Resample at the next service interval to monitor. (Customer Sample Comment: 2128 hrs)	Sample Date		Client Info		19 Jul 2023	05 Jun 2023	29 Mar 2023
	Machine Age	hrs	Client Info		2128	1871	1525
	Oil Age	hrs	Client Info		1337	1337	1337
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	37	75	15
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	2	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	2	<1
	Lead	ppm	ASTM D5185m	>40	1	10	<1
	Copper	ppm	ASTM D5185m	>330	9	33	27
	Tin	ppm	ASTM D5185m	>15	<1	2	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7	13	6
	Potassium	ppm	ASTM D5185m	>20	0	0	0
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.5	0.7	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	10.8	14.9	9.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2	27.3	23.9
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	4	2
	Boron	ppm	ASTM D5185m	0	22	14	33
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	0	2	0	0
	Molybdenum	ppm	ASTM D5185m	0	46	48	44
	Manganese	ppm	ASTM D5185m		<1	1	<1
	Magnesium	ppm	ASTM D5185m	0	608	583	543
	Calcium	ppm	ASTM D5185m		1919	1972	1795
	Phosphorus	ppm	ASTM D5185m		852	836	805
	Zinc	ppm	ASTM D5185m		1047	1045	971
	Sulfur	ppm	ASTM D5185m		3228	3022	2856
	Oxidation	Abs/.1mm	*ASTM D7414		23.2	30.6	22.3
	Base Number (BN)				8.6	5.8	9.2
	Visc @ 100°C	cSt	ASTM D445	14	12.8	13.4	12.8







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0819887 Lab Number : 05909831

Tested Unique Number: 10576483

Received : 28 Jul 2023 Diagnosed

: 28 Jul 2023 : 31 Jul 2023 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST

WICHITA, KS US 67213

Contact: SHAWN SOUTH shawn.south@sherwood.net T: 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.

Test Package : CONST (Additional Tests: TBN)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: