

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

MARGINAL

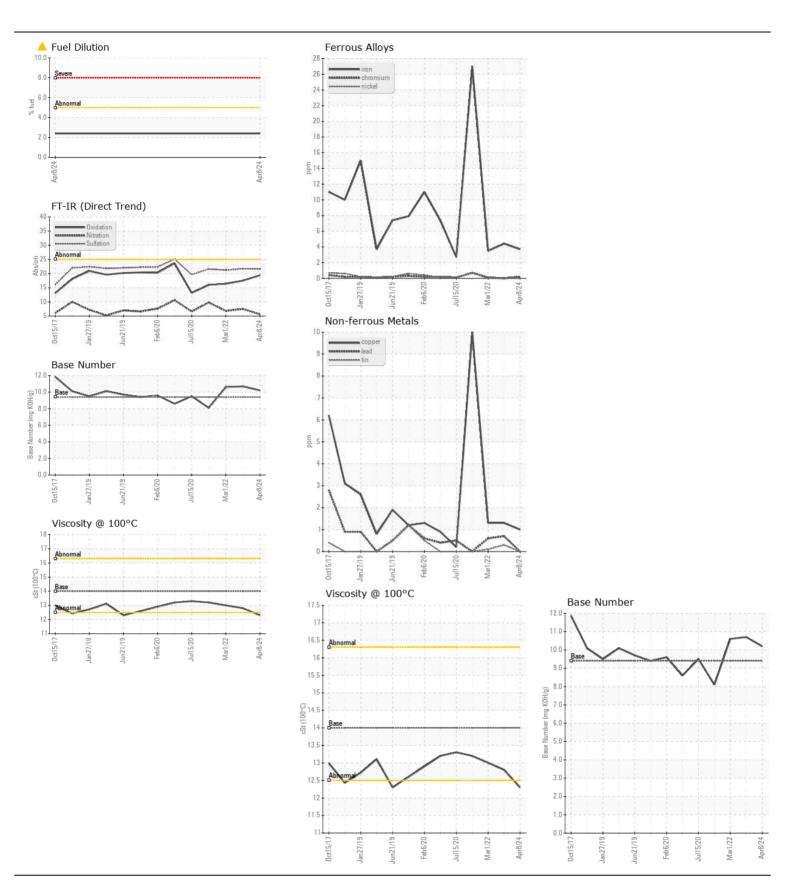
NORMAL



KANSAS/44/EG - OTHER SERVICE
88.13L [KANSAS^44^EG - OTHER SERVICE]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.	Sample Number		Client Info		WC0918155	,	WC0665294
	Sample Date		Client Info		08 Apr 2024	23 Aug 2022	01 Mar 2022
	Machine Age	hrs	Client Info		5277	5058	4779
	Oil Age	hrs	Client Info		219	279	4527
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				MARGINAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	4	4	4
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	0	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	<1	0
	Silver	ppm	ASTM D5185m	>2	0	1	<1
	Aluminum	ppm	ASTM D5185m	>25	1	<1	<1
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m	>330	1	1	1
	Tin	ppm	ASTM D5185m	>15	0	<1	<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  Light fuel dilution occurring. No other contaminants were detected in the oil.	Silicon	ppm	ASTM D5185m	>25	20	4	4
	Potassium	ppm	ASTM D5185m	>20	2	<1	2
	Fuel	%	ASTM D3524	>5	<b>2.4</b>	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	5.6	7.5	6.8
	Sulfation	Abs/.1mm	*ASTM D7415		21.6	21.7	21.2
	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 Emulsified Water	scalar	*Visual *Visual	NORML >0.2	NORML NEG	NORML NEG	NORML NEG
<u></u>	Linuisineu water	Scalai	Visuai	>0.2			INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	3
The DNI was the bridge at a street the section of the bridge at the Bridge at the section by the	Boron	ppm	ASTM D5185m	0	63	95	77
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	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	39	18	17
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	0	489	586	624
	Calcium	ppm	ASTM D5185m		1754	1394	1503
	Phosphorus	ppm	ASTM D5185m		852	678	752
	Zinc	ppm	ASTM D5185m		942	815	878
	Sulfur	ppm Aba/1	ASTM D5185m	0.5	2724	2542	2387
	Oxidation	Abs/.1mm	*ASTM D7414		19.4	17.5	16.4
	Base Number (BN)				10.2	10.7	10.6
	Visc @ 100°C	cSt	ASTM D445	14	12.3	12.8	13.0







Laboratory Sample No.

: WC0918155 Lab Number : 06151841

Unique Number: 10981919

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 22 Apr 2024

Diagnosed : 22 Apr 2024 - Wes Davis Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

3219 WEST MAY ST WICHITA, KS US 67213 Contact: DOUG KING doug.king@sherwood.net

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.

T: (316)617-3161 F: x:

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

SHERWOOD CONSTRUCTION CO INC