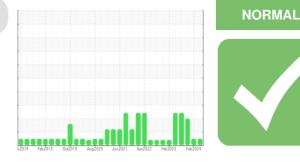


OIL ANALYSIS REPORT

Area COLORADO/443/EG - LOADER 47.11L [COLORADO^443^EG - LOADER]

Component Diesel Engine

MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)



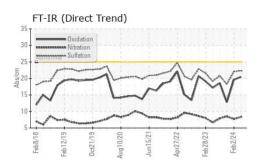
Sample Rating Trend

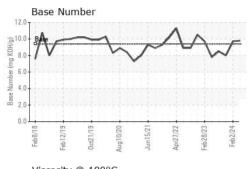


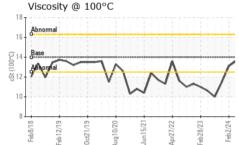
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0928756	WC0883984	WC0859731
Resample at the next service interval to monitor.	Sample Date		Client Info		11 Jun 2024	02 Feb 2024	20 Oct 2023
Wear	Machine Age	hrs	Client Info		8555	8245	8014
All component wear rates are normal.	Oil Age	hrs	Client Info		0	0	0
Contamination	Oil Changed		Client Info		Changed	Changed	Changed
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	ABNORMAL
oil.	CONTAMINATIO	N	method	limit/base	current	history1	history2
Fluid Condition The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Fuel		WC Method		<1.0	<1.0	0.3
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.2	NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	8	9	9
	Chromium	ppm	ASTM D5185m	>20	0	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	<1
	Titanium	ppm	ASTM D5185m	>2	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	4	4	3
	Lead	ppm	ASTM D5185m	>40	<1	<1	<1
	Copper	ppm	ASTM D5185m	>330	<1	2	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	39	42	83
	Barium	ppm	ASTM D5185m	0	0	0	2
	Molybdenum	ppm	ASTM D5185m	0	39	40	3
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m	0	523	574	733
	Calcium	ppm	ASTM D5185m		1764	1629	1364
	Phosphorus	ppm	ASTM D5185m		846	810	733
	Zinc	ppm	ASTM D5185m		959	961	862
	Sulfur	ppm	ASTM D5185m		2999	2728	3649
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	8	11	4 2
	Sodium	ppm	ASTM D5185m		4	2	0
	Potassium	ppm	ASTM D5185m	>20	2	<1	4
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.9	0.7	0.5
	Nitration	Abs/cm	*ASTM D7624		8.3	7.7	8.5
	Sulfation	Abs/.1mm	*ASTM D7415		22.3	22.1	18.2
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	19.6	12.8
	Base Number (BN)		ASTM D2896		9.8	9.7	8.0
		ingitoring		5.1	0.0	0.1	0.0



OIL ANALYSIS REPORT

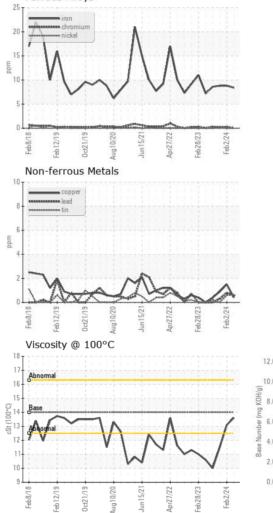


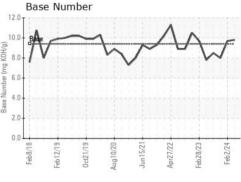




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	13.6	13.1	11.5
GRAPHS						

Ferrous Alloys





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC Sample No. : WC0928756 Received : 21 Jun 2024 3219 WEST MAY ST Lab Number : 06216686 Tested : 24 Jun 2024 WICHITA, KS Unique Number : 11089550 Diagnosed : 24 Jun 2024 - Wes Davis US 67213 Test Package : CONST (Additional Tests: TBN) Contact: DOUG KING Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. doug.king@sherwood.net * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (316)617-3161 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Report Id: SHEWIC [WUSCAR] 06216686 (Generated: 06/24/2024 15:02:38) Rev: 1

Submitted By: BRANDEN JAQUIAS

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