

OIL ANALYSIS REPORT









OKLAHOMA/10 45.59L [OKLAF

Component

Diesel Engine

MOBIL DELVAC 1300 SU

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 5107 hours)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

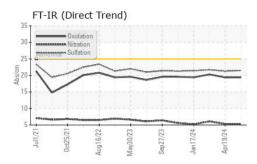
102 AHOMA^102] SUPER15W40 (G.		ost021 Aug2022 May2020	Sep2023 Jan2024	Apr2024	
SAMPLE INFORMAT	ION method	limit/base	current	history1	history2
Sample Number	Client Info	V	VC0864339	WC0864401	WC0864380
Sample Date	Client Info	2	1 May 2024	19 Apr 2024	16 Mar 2024
Machine Age hrs	Client Info	5	107	4861	4861
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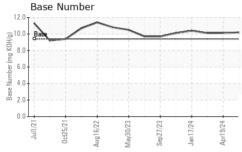
Sample Rating Trend

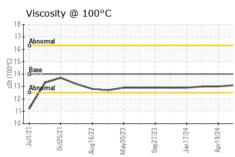
Sample Date		Client into		21 Way 2024	19 Apr 2024	10 Mai 2024
Machine Age	hrs	Client Info		5107	4861	4861
Oil Age	hrs	Client Info		3240	3240	3240
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	6	3	7
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	4	8
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	0	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
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Boron	ppm	ASTM D5185m	0	83	83	89
Barium	ppm	ASTM D5185m	0	0	0	1
Molybdenum	ppm		0	52	51	45
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	494	514	513
Calcium	ppm	ASTM D5185m		1612	1632	1851
Phosphorus	ppm	ASTM D5185m		694	757	846
Zinc	ppm	ASTM D5185m		877	896	989
Sulfur	ppm	ASTM D5185m		2499	2853	2956
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	5
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	6	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.3	5.3	6.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	21.3	21.7
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	19.4	20.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	10.2	10.1	10.1
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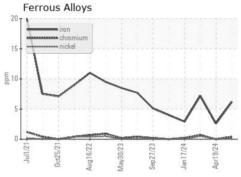


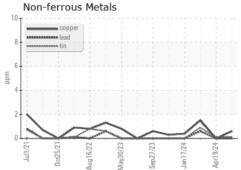


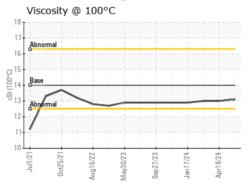
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

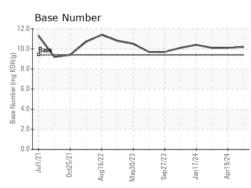
FLUID PROPER	TIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14	13.1	13.0	13.0

GRAPHS













Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0864339 Lab Number : 06203793 Unique Number : 11071254

Received **Tested**

: 07 Jun 2024 : 12 Jun 2024 Diagnosed : 12 Jun 2024 - Sean Felton Test Package : CONST (Additional Tests: TBN)

SHERWOOD CONSTRUCTION CO INC 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.

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

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