

OIL ANALYSIS REPORT

Area OKLAHOMA/102/EG - OTHER SERVICE

05.72 [OKLAHOMA^102^EG - OTHER SERVICE]

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

NORMAL



Sample Rating Trend

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Diesel Engine

Fluid

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

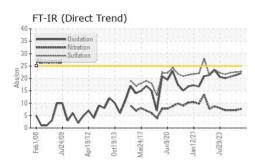
Fluid Condition

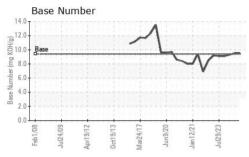
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

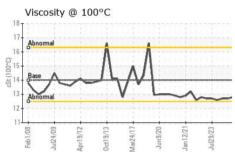
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0864332	WC0864274	WC0819911
Sample Date		Client Info		10 Apr 2024	06 Dec 2023	20 Oct 2023
Machine Age	mls	Client Info		354913	30899	30525
Oil Age	mls	Client Info		88763	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	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	20.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>85	6	4	5
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>250	<1	<1	0
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	65	58	51
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	42	40	40
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	469	526	516
Calcium	ppm	ASTM D5185m		1663	1631	1579
Phosphorus	ppm	ASTM D5185m		764	744	644
Zinc	ppm	ASTM D5185m		835	945	880
Sulfur	ppm	ASTM D5185m		2700	2435	2377
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	4	4
Sodium	ppm	ASTM D5185m		5	3	<1
Potassium	ppm	ASTM D5185m	>20	25	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624		7.7	7.2	7.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8	22.5	22.3
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.1	21.3	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.5	9.5	9.3



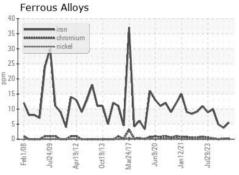
OIL ANALYSIS REPORT

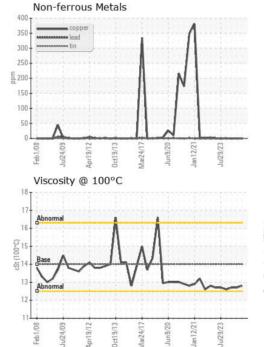


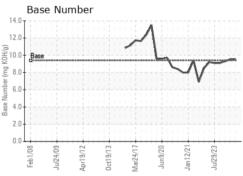




VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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	TIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	12.8	12.7	12.7
GRAPHS						







Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 SHERWOOD CONSTRUCTION CO INC Sample No. : WC0864332 Received : 16 Apr 2024 3219 WEST MAY ST Lab Number : 06150889 Tested : 17 Apr 2024 WICHITA, KS Unique Number : 10980967 Diagnosed : 17 Apr 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] 06150889 (Generated: 04/17/2024 22:35:28) Rev: 1

Submitted By: SHAWN SOUTH

Page 2 of 2