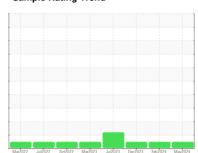


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 98058 398 Component Gasoline Engine

MOTORCRAFT SYNTHETIC BLEND 5W20 (--- GAL)

Dirialivoolo

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

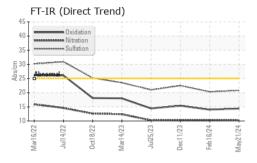
Fluid Condition

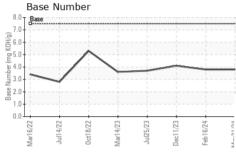
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

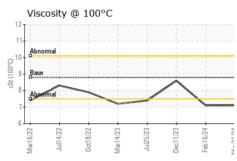
(GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0005890	SBP0005921	SBP0005535
Sample Date		Client Info		21 May 2024	16 Feb 2024	11 Dec 2023
Machine Age	mls	Client Info		146886	142291	137783
Oil Age	mls	Client Info		4595	4508	9081
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<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	>150	11	10	12
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	3	4
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>155	<1	<1	2
Tin	ppm	ASTM D5185m	>10	0	0	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		48	46	41
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		66	63	100
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		504	485	371
Calcium	ppm	ASTM D5185m		903	789	1011
Phosphorus	ppm	ASTM D5185m		676	679	656
Zinc	ppm	ASTM D5185m		719	720	782
Sulfur	ppm	ASTM D5185m		3061	2757	2601
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	9	8	11
Sodium	ppm	ASTM D5185m	>400	3	1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	10.2	10.4	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.3	22.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	14.0	15.4
Base Number (BN)	mg KOH/g	ASTM D2896	7.5	3.8	3.8	4.1

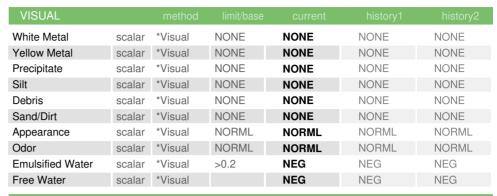


OIL ANALYSIS REPORT



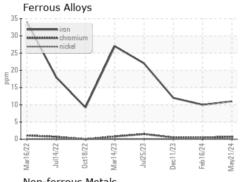


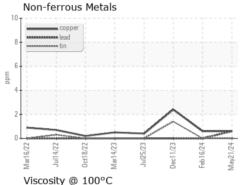


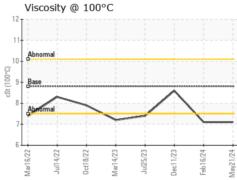


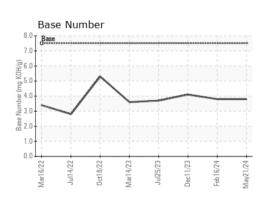
FLUID PROPER	ITIES	method				history2
Visc @ 100°C	cSt	ASTM D445	8.8	7.1	7.1	8.6

GRAPHS













Certificate 12367

Laboratory

Sample No. Lab Number : 06204284

Test Package : FLEET

: SBP0005890

Unique Number : 11071745

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024

Tested : 11 Jun 2024

Diagnosed : 12 Jun 2024 - Sean Felton

US Contact: Service Manager

Sapp Bros. Fleet - Ogallala Location

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)

Report Id: SBTOGA [WUSCAR] 06204284 (Generated: 06/12/2024 16:01:19) Rev: 1

Submitted By: DAN VAN ZEE

T:

F: