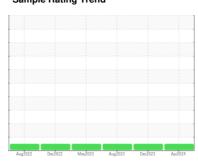


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id 98041 307 Component Gasoline Engine

MOTORCRAFT SUPER PREMIUM SAE 5W30 (--- GAL)

#### Dirtarvooro

### 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

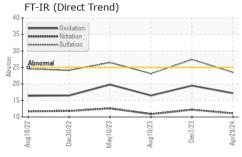
### **Fluid Condition**

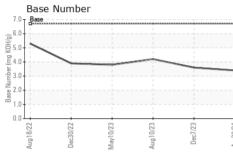
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

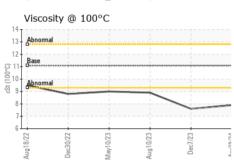
oo ( GAL)		•				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0005885	SBP0005534	SBP0004653
Sample Date		Client Info		29 Apr 2024	07 Dec 2023	10 Aug 2023
Machine Age	mls	Client Info		203263	197132	192282
Oil Age	mls	Client Info		6131	4850	6175
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	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	16	14	12
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	6	4
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>155	4	<1	4
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		21	28	36
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		77	62	76
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		544	479	582
Calcium	ppm	ASTM D5185m		1004	834	986
Phosphorus	ppm	ASTM D5185m		684	624	718
Zinc	ppm	ASTM D5185m		770	774	873
Sulfur	ppm	ASTM D5185m		2994	2568	2712
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	12	8	12
Sodium	ppm	ASTM D5185m	>400	5	3	6
Potassium	ppm	ASTM D5185m	>20	0	8	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.1	12.2	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	27.4	23.1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	19.5	16.5
Base Number (BN)	mg KOH/g	ASTM D2896	6.7	3.4	3.6	4.2



## **OIL ANALYSIS REPORT**



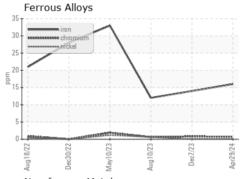


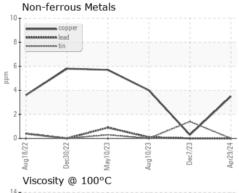


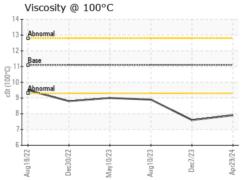
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

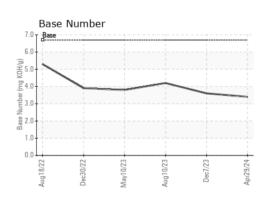
FLUID PROPER	TIES	method				history2
Visc @ 100°C	cSt	ASTM D445	11.1	7.9	7.6	8.9

## **GRAPHS**













Laboratory

Sample No. Lab Number : 06178329

: SBP0005885

Unique Number : 11029655

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 May 2024

**Tested** : 21 May 2024

Diagnosed : 21 May 2024 - Sean Felton

US Contact: Service Manager

Sapp Bros. Fleet - Ogallala Location

Test Package : FLEET Certificate 12367

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] 06178329 (Generated: 05/21/2024 09:46:17) Rev: 1

Submitted By: DAN VAN ZEE

T:

F: