

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 93073 Component Diesel Engine Fluid

AG 15W40 SB (10 GAL)

DIAGNOSIS

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

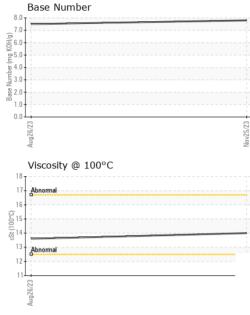
Fluid Condition

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

L)			Aug2023	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0004269	SBP0004272	
Sample Date		Client Info		25 Nov 2023	26 Aug 2023	
Machine Age	hrs	Client Info		10137	99404	
Oil Age	hrs	Client Info		0	9968	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	22	23	
Chromium	ppm	ASTM D5185m	>5	<1	<1	
Nickel	ppm	ASTM D5185m	>2	1	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>30	4	5	
Lead	ppm	ASTM D5185m	>30	<1	0	
Copper	ppm	ASTM D5185m	>150	5	<1	
Tin	ppm	ASTM D5185m	>5	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		25	37	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		43	51	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		632	609	
Calcium	ppm	ASTM D5185m		1723	1814	
Phosphorus	ppm	ASTM D5185m		800	817	
Zinc	ppm	ASTM D5185m		1050	992	
Sulfur	ppm	ASTM D5185m		2163	2895	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	7	
Sodium	ppm	ASTM D5185m		3	4	
Potassium	ppm	ASTM D5185m	>20	4	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	13.1	12.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5	23.8	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.9	26.6	
Base Number (BN)	mg KOH/g	ASTM D2896		7.8	7.5	

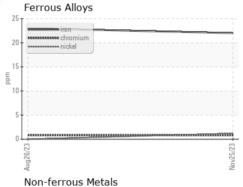


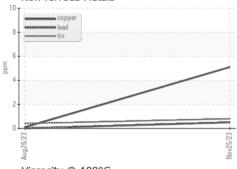
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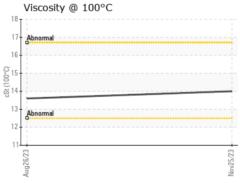


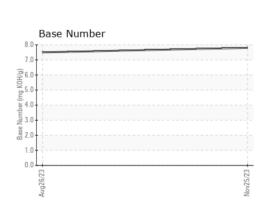
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
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FLUID FROFER	TIES	memod		HISTORY	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	14.0	13.6	











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10776820 Test Package : FLEET

: SBP0004269 : 06027029

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

Diagnostician : Don Baldridge

: 06 Dec 2023 : 08 Dec 2023

US Contact: Marc Scheer Mscheer@sappbros.net

Sapp Bros. Fleet - Elgin 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: SBTELG [WUSCAR] 06027029 (Generated: 12/08/2023 14:43:15) Rev: 1

Contact/Location: Marc Scheer - SBTELG

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