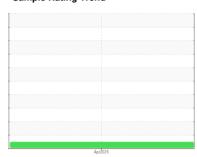


OIL ANALYSIS REPORT

Sample Rating Trend







3091 Component Diesel Engine Fluid AG 10W30 (--- GAL)

-DI	40	NIC	0	
101	AG	IZI(75	5

Machine Id

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

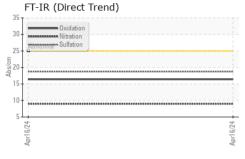
Fluid Condition

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

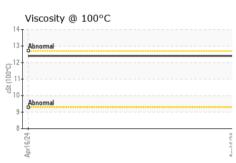
				Apr2024		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
	MATION		IIIIIIVDase			
Sample Number		Client Info		SBP0004991		
Sample Date	mls	Client Info		16 Apr 2024 5405		
Machine Age Oil Age	mls	Client Info		0		
Oil Changed	11115	Client Info		N/A		
Sample Status		Olletti Ittio		NORMAL		
·						
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	32		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m		8		
Lead	ppm	ASTM D5185m	>30	0		
Copper	ppm	ASTM D5185m		27		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		115		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		115		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		697		
Calcium	ppm	ASTM D5185m		1278		
Phosphorus	ppm	ASTM D5185m		726		
Zinc Sulfur	ppm	ASTM D5185m		871		
	ppm	ASTM D5185m		3521		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	8		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	9.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4		
Base Number (BN)	mg KOH/g	ASTM D2896		7.0		
	0 - 9					



OIL ANALYSIS REPORT



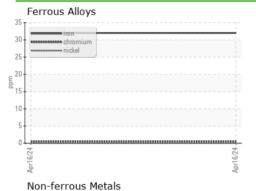
Base Number
7.0
\$ 6.0 t
₫ 5.0 +
£4.0 +
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
₹ 2.0 -
1.0
0.0
Apr1 6/24
April

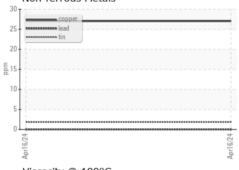


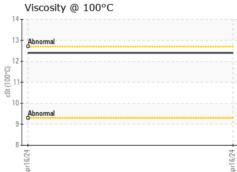
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML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

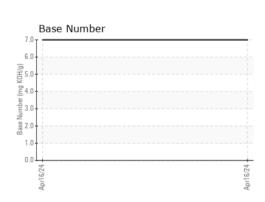
FLUID PROPER	THES	method	iimit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445		12.4		

GRAPHS













Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06158365 Unique Number : 10993788

: SBP0004991 Test Package : FLEET

Received : 23 Apr 2024 Tested : 24 Apr 2024

Diagnosed : 25 Apr 2024 - Angela Borella Sapp Bros. Fleet - York Location

PO Box 249 York, NE US 68467

Contact: Service Manager

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: SBTYOR [WUSCAR] 06158365 (Generated: 04/25/2024 17:23:17) Rev: 1

Contact/Location: Service Manager - SBTYOR

T:

F: