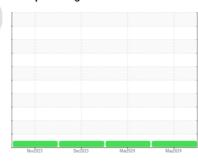


OIL ANALYSIS REPORT

Sample Rating Trend







Shag 12
Component
Diesel Engine
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil

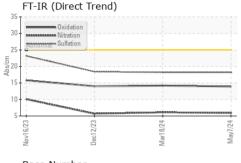
Fluid Condition

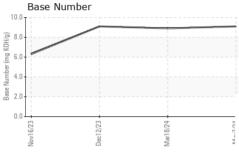
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

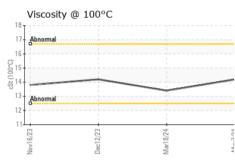
		Nov202	3 Dec2023	Mar2024 M	ay2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0006874	SBP0006810	SBP0006266
Sample Date		Client Info		07 May 2024	18 Mar 2024	12 Dec 2023
Machine Age	hrs	Client Info		350	350	0
Oil Age	hrs	Client Info		0	350	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	1	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		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	3	3	5
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m		<1	2	2
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		58	54	57
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		1034	958	919
Calcium	ppm	ASTM D5185m		1183	1080	1181
Phosphorus	ppm	ASTM D5185m		1142	924	1044
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		1401 4000	1216 3530	1255 3286
	ppm		15			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	4
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>20	0 <1	0	3 2
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.9	6.1	5.7
Sulfation	Abs/.1mm	*ASTM D7415		18.2	18.2	18.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.2	14.0
Base Number (BN)	mg KOH/g	ASTM D2896		9.1	8.9	9.1

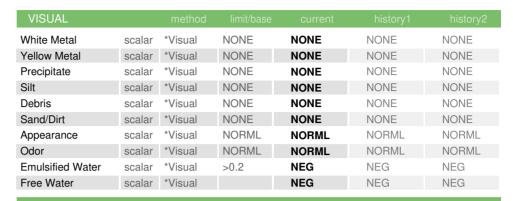


OIL ANALYSIS REPORT



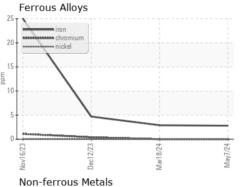


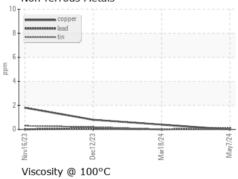


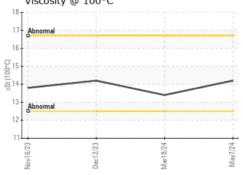


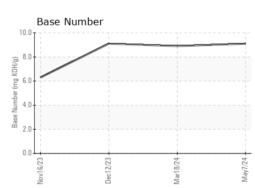
FLUID FROFERITES		memou		HISTOLAL	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	14.2	13.4	14.2

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0006874 Lab Number : 06193309 Unique Number : 11050061

Received : 28 May 2024 **Tested**

Diagnosed

: 30 May 2024 : 30 May 2024 - Wes Davis

Humphrey, NE US 61357 Contact: Troy Runge troyfr@pillenfamilyfarms.com

Pillen Family Farms - 722828

T: (308)390-6733

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

26741 NE-91