

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Pillen Family Farms Shag 07

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- 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

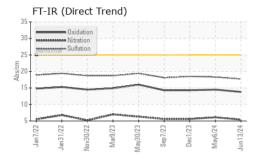
Fluid Condition

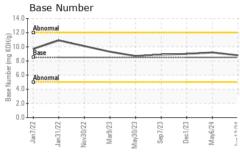
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

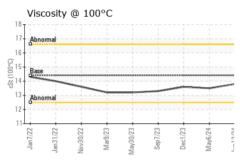
			HOLE HOLES MINES	mayboto ooptoto bostoto maybo					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		SBP0006859	SBP0006871	SBP0006270			
Sample Date		Client Info		13 Jun 2024	06 May 2024	01 Dec 2023			
Machine Age	hrs	Client Info		350	350	0			
Oil Age	hrs	Client Info		0	350	0			
Oil Changed		Client Info		Not Changd	Not Changd	N/A			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATIO	V	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	4	5	4			
Chromium	ppm	ASTM D5185m	>20	<1	0	<1			
Nickel	ppm	ASTM D5185m	>4	<1	0	0			
Titanium	ppm	ASTM D5185m		<1	0	<1			
Silver	ppm	ASTM D5185m	>3	<1	<1	0			
Aluminum	ppm	ASTM D5185m	>20	3	<1	<1			
Lead	ppm	ASTM D5185m	>40	1	<1	<1			
Copper	ppm	ASTM D5185m	>330	1	<1	1			
Tin	ppm	ASTM D5185m	>15	<1	0	<1			
Vanadium	ppm	ASTM D5185m		<1	0	0			
Cadmium	ppm	ASTM D5185m		<1	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	250	1	<1	27			
Barium	ppm	ASTM D5185m	10	1	0	0			
Molybdenum	ppm	ASTM D5185m	100	61	62	61			
Manganese	ppm	ASTM D5185m		<1	<1	<1			
Magnesium	ppm	ASTM D5185m	450	950	1113	899			
Calcium	ppm	ASTM D5185m	3000	1081	1272	1226			
Phosphorus	ppm	ASTM D5185m	1150	1115	1215	1054			
Zinc	ppm	ASTM D5185m	1350	1217	1489	1269			
Sulfur	ppm	ASTM D5185m	4250	3201	4223	3282			
CONTAMINANTS	;	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	3	2	3			
Sodium	ppm	ASTM D5185m	>216	0	0	2			
Potassium	ppm	ASTM D5185m	>20	2	<1	1			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1			
Nitration	Abs/cm	*ASTM D7624	>20	5.4	6.1	5.6			
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	18.3	18.5			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	14.5	14.3			
Base Number (BN)	mg KOH/g	ASTM D2896		8.8	9.2	9.0			
	0								

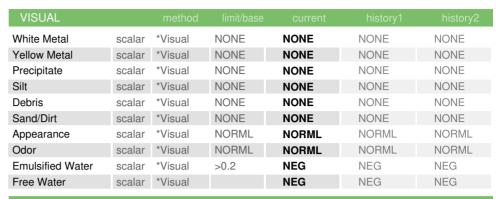


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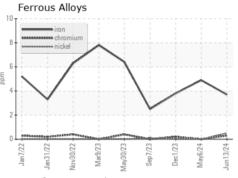


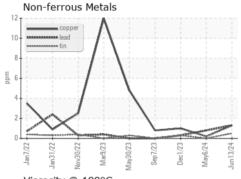


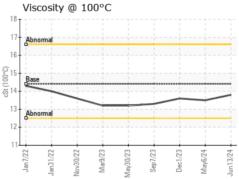


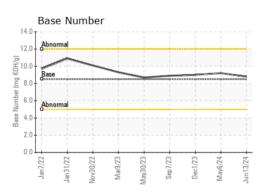
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.5	13.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0006859 Lab Number : 06219203 Unique Number : 11097400

Test Package : FLEET

Received : 24 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed

: 25 Jun 2024 - Wes Davis

US 61357 Contact: Troy Runge troyfr@pillenfamilyfarms.com

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)

Pillen Family Farms - 722828

26741 NE-91

Humphrey, NE

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