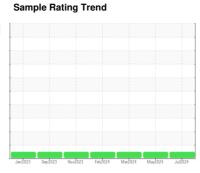


OIL ANALYSIS REPORT

Pillen Family Farms LSTK64

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)





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.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

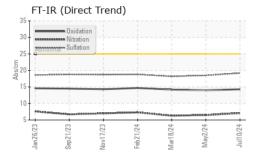
Fluid Condition

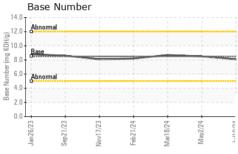
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

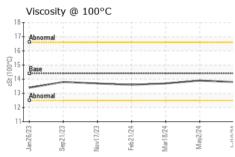
SAMPLE INFORM	4ATIONI		li.ee:4/le.e.e.		la i a ta un cd	histom O
	MATION	method	limit/base		history1	history2
Sample Number		Client Info		SBP0005311	SBP0006888	SBP0006826
Sample Date		Client Info		10 Jul 2024	02 May 2024	18 Mar 2024
Machine Age	mls	Client Info		12000	12000	12000
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
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	8	6	7
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	1	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
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	250	2	0	<1
Barium	ppm	ASTM D5185m	10	0	0	8
Molybdenum	ppm	ASTM D5185m	100	57	56	56
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	450	962	934	1059
Calcium	ppm	ASTM D5185m	3000	1062	1052	1121
Phosphorus	ppm	ASTM D5185m	1150	1039	987	1150
Zinc	ppm	ASTM D5185m	1350	1274	1228	1334
Sulfur	ppm	ASTM D5185m	4250	3527	3475	3794
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	3
Sodium	ppm	ASTM D5185m	>216	2	2	1
Potassium	ppm	ASTM D5185m	>20	10	2	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.1	6.5	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	18.5	18.2
FILLID DEODADA	TION	method	limit/base	current	history1	history2
FLUID DEGRADA	ATION _	memou	mini bacc	Carrent	1110101 9 1	, _
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	14.0	
			>25		•	14.2 8.7

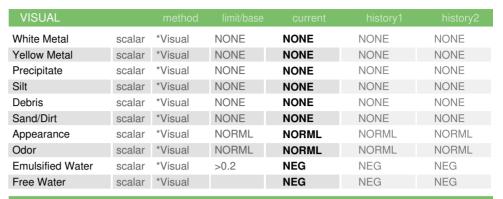


OIL ANALYSIS REPORT



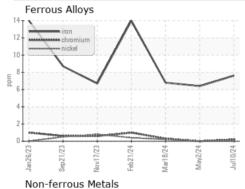


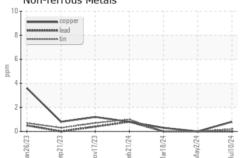


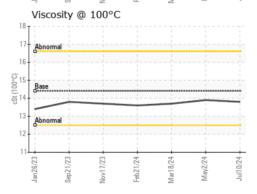


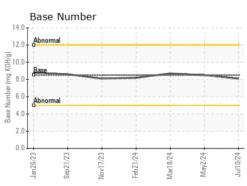
FLUID PROPER	TIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.9	13.7

GRAPHS













Laboratory Sample No.

: SBP0005311 Lab Number : 06239781

Unique Number : 11128615

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jul 2024 **Tested** : 18 Jul 2024

Diagnosed : 18 Jul 2024 - Wes Davis

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.

Pillen Family Farms - 722828

26741 NE-91 Humphrey, NE US 61357

Contact: Troy Runge troyfr@pillenfamilyfarms.com

T: (308)390-6733

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)