

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id **2026772**

Component 1 Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- 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

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

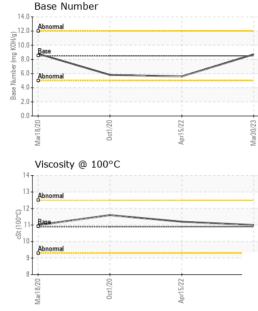
Fluid Condition

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

		Mar202	0 Oct2020	Apr2022 M.	ar2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0068350	PCA0068374	PCA0012050	
Sample Date		Client Info		30 Mar 2023	15 Apr 2022	01 Oct 2020	
Machine Age	mls	Client Info		0	0	106151	
Oil Age	mls	Client Info		0	30000	30000	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	24	52	46	
Chromium	ppm	ASTM D5185m	>20	<1	1	1	
Nickel	ppm	ASTM D5185m	>4	<1	2	1	
Titanium	ppm	ASTM D5185m		0	0	<1	
Silver	ppm	ASTM D5185m	>3	<1	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	5	17	
Lead	ppm	ASTM D5185m	>40	<1	4	1	
Copper	ppm	ASTM D5185m	>330	3	10	47	
Tin	ppm	ASTM D5185m	>15	0	1	<1	
Antimony	ppm	ASTM D5185m				0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	250	11	2	1	
Barium	ppm	ASTM D5185m	10	0	0	0	
Molybdenum	ppm	ASTM D5185m	100	63	62	59	
Manganese	ppm	ASTM D5185m		<1	1	1	
Magnesium	ppm	ASTM D5185m	450	954	951	986	
Calcium	ppm	ASTM D5185m	3000	1138	1183	1102	
Phosphorus	ppm	ASTM D5185m	1150	1049	1013	886	
Zinc	ppm	ASTM D5185m	1350	1295	1323	1168	
Sulfur	ppm	ASTM D5185m	4250	3984	3313	1783	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	11	6	
Sodium	ppm	ASTM D5185m		2	11	9	
Potassium	ppm	ASTM D5185m	>20	<1	3	26	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.1	0.7	0.9	
Nitration	Abs/cm	*ASTM D7624	>20	6.2	11.9	12.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	24.3	24.7	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	20.2	21.5	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.7	5.6	5.8	



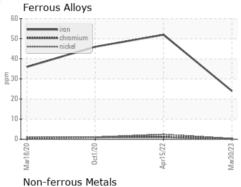
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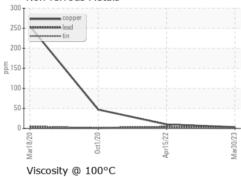


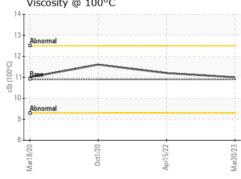
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

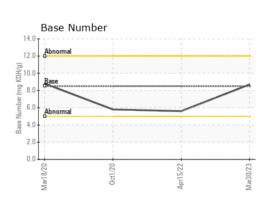
FLUID PROPE	RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	10.9	11.0	11.2	11.6

GRAPHS













Laboratory Sample No. Lab Number

Unique Number : 10405664 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0068350 : 05808135

Received Diagnosed Diagnostician : Wes Davis

: 31 Mar 2023 : 04 Apr 2023

PERDUE FARMS INC - GARAGE 189 PERDUE WAY

CANDOR, NC US 27229

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)

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F: