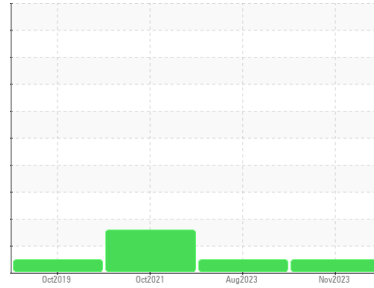


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
FLEET
 Machine Id
26680
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0108207	PCA0099305	PCA0056367
Sample Date	Client Info		09 Nov 2023	10 Aug 2023	07 Oct 2021
Machine Age	mls	Client Info	278166	263428	246901
Oil Age	mls	Client Info	30000	16527	33648
Oil Changed	Client Info		Changed	Not Changd	Changed
Sample Status			NORMAL	NORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.0	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	82	57	▲ 189
Chromium	ppm	ASTM D5185m >20	3	3	8
Nickel	ppm	ASTM D5185m >4	4	3	6
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m >3	<1	0	<1
Aluminum	ppm	ASTM D5185m >20	6	7	18
Lead	ppm	ASTM D5185m >40	18	13	▲ 149
Copper	ppm	ASTM D5185m >330	32	24	23
Tin	ppm	ASTM D5185m >15	2	2	5
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<1	4	4
Barium	ppm	ASTM D5185m 0	6	0	0
Molybdenum	ppm	ASTM D5185m 50	73	70	92
Manganese	ppm	ASTM D5185m 0	2	2	3
Magnesium	ppm	ASTM D5185m 950	1007	1072	1168
Calcium	ppm	ASTM D5185m 1050	1262	1244	1552
Phosphorus	ppm	ASTM D5185m 995	1026	1113	1144
Zinc	ppm	ASTM D5185m 1180	1346	1482	1459
Sulfur	ppm	ASTM D5185m 2600	3709	4059	2829

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	12	8	20
Sodium	ppm	ASTM D5185m	0	5	11
Potassium	ppm	ASTM D5185m >20	6	4	7

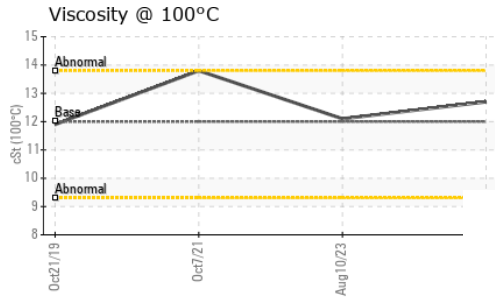
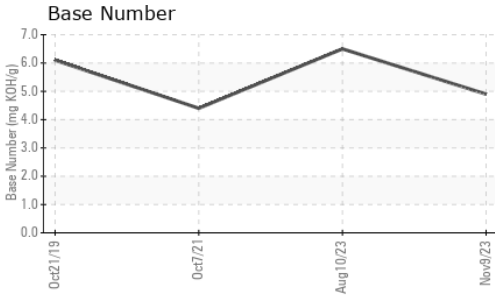
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	2.1	0.9	1.2
Nitration	Abs/cm	*ASTM D7624 >20	15.5	12.9	16.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	31.5	25.1	35.5

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	28.6	21.0	37.5
Base Number (BN)	mg KOH/g	ASTM D2896	4.9	6.5	4.4

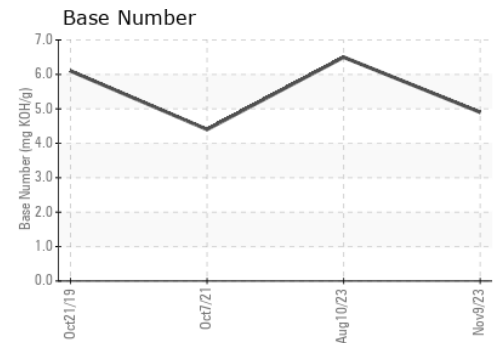
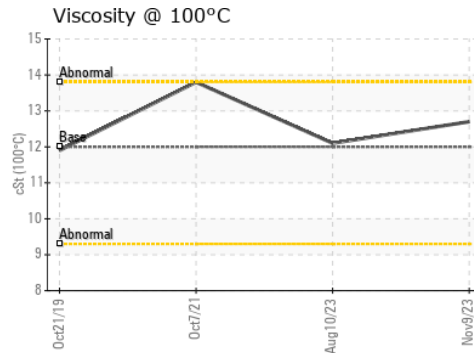
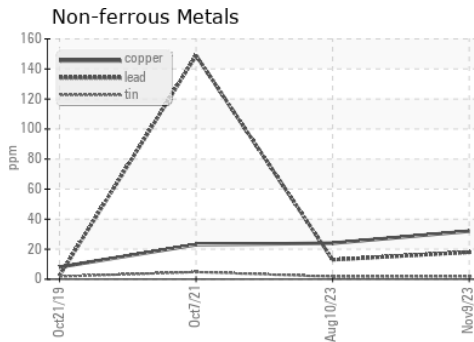
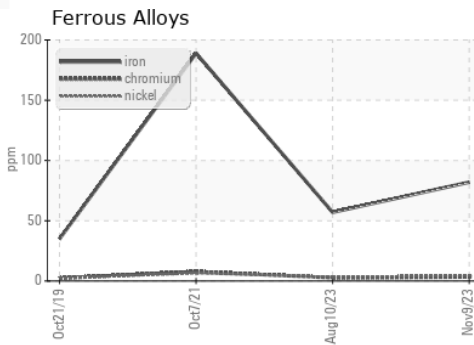
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	12.7	12.1

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0108207 **Received** : 14 Nov 2023
Lab Number : **06006725** **Diagnosed** : 15 Nov 2023
Unique Number : 10740487 **Diagnostician** : Don Baldrige
Test Package : FLEET

PERDUE FARMS - ACCOMAC
 22520 LANKFORD HWY
 ACCOMAC, VA
 US 23301
 Contact: PEGGY KIMES
 peggy.kimes@perdue.com
 T: (757)787-5304
 F: (757)787-5208

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)