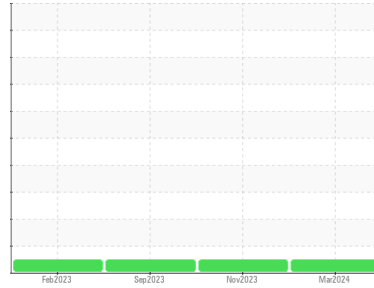


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(TEMP) Walgreens - Yard Horse
 Machine Id
[Walgreens - Yard Horse] 136A82252
 Component
Diesel Engine
 Fluid
SAE 0W30 (11 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	PCA0120865	PCA0103483	PCA0103528
Sample Date	Client Info	08 Mar 2024	30 Nov 2023	22 Sep 2023
Machine Age	hrs Client Info	3620	2632	2252
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

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	38	28	57
Chromium	ppm ASTM D5185m >20	2	1	2
Nickel	ppm ASTM D5185m >4	<1	0	<1
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m >3	0	0	0
Aluminum	ppm ASTM D5185m >20	2	3	2
Lead	ppm ASTM D5185m >40	0	0	0
Copper	ppm ASTM D5185m >330	1	2	3
Tin	ppm ASTM D5185m >15	<1	0	<1
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	<1	2
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	61	58	56
Manganese	ppm ASTM D5185m	<1	<1	1
Magnesium	ppm ASTM D5185m	996	957	918
Calcium	ppm ASTM D5185m	1124	1017	977
Phosphorus	ppm ASTM D5185m	1192	1072	999
Zinc	ppm ASTM D5185m	1346	1305	1249
Sulfur	ppm ASTM D5185m	3367	3159	2815

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	4	4	7
Sodium	ppm ASTM D5185m >12	<1	3	2
Potassium	ppm ASTM D5185m >20	2	2	<1

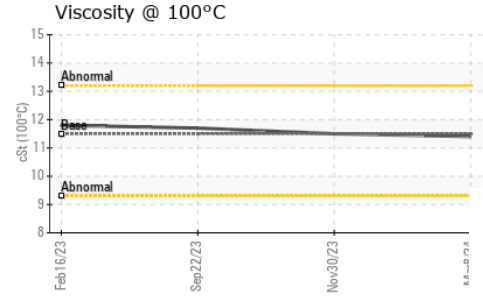
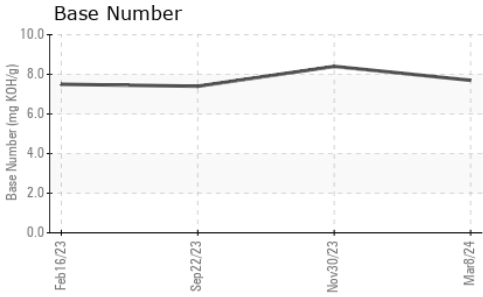
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	1.5	1.2	1.6
Nitration	Abs/cm *ASTM D7624 >20	10.7	9.5	11.1
Sulfation	Abs/.1mm *ASTM D7415 >30	21.3	20.2	22.7

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	17.3	16.1	18.7
Base Number (BN)	mg KOH/g ASTM D2896	7.7	8.4	7.4

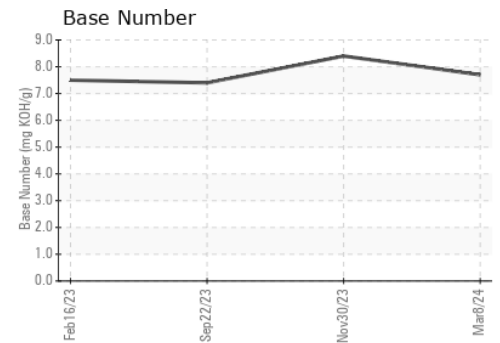
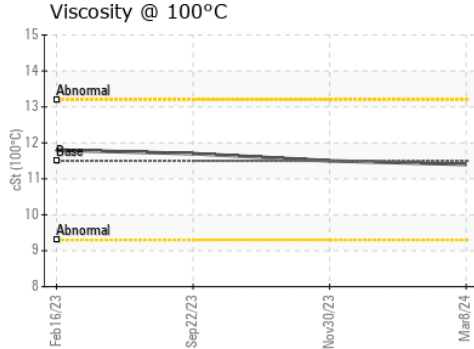
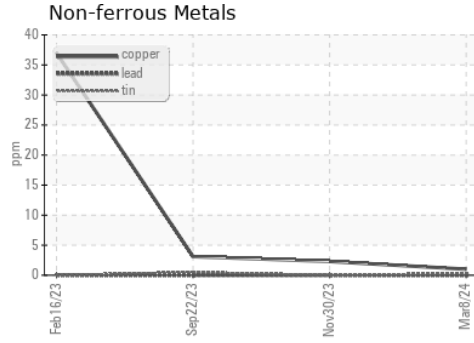
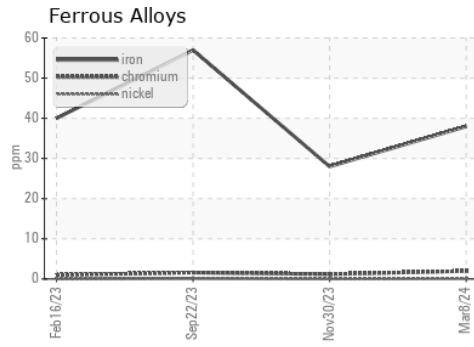
OIL ANALYSIS REPORT



PARAMETER	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

PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 100°C	cSt	ASTM D445	11.5	11.4	11.5

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0120865
Lab Number : 06125523
Unique Number : 10939674
Test Package : FLEET

Received : 21 Mar 2024
Tested : 22 Mar 2024
Diagnosed : 25 Mar 2024 - Don Baldrige

Transervice - Shop 1369 - Berkeley-Waxahachie
 710 Ovilla Road
 Waxahachie, TX
 US 75167
 Contact: Robert Beal
 rbeal@transervice.com
 T: (972)923-9928
 F: (972)923-9919

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)