FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
20350
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (10 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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

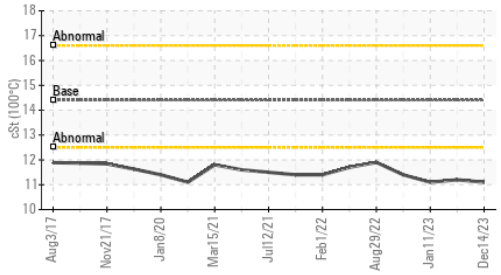
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**PCA0112302**	PCA0108155	PCA0088214
Sample Date		Client Info		**14 Dec 2023**	24 Oct 2023	11 Jan 2023
Machine Age	hrs	Client Info		**6579**	5574	5574
Oil Age	hrs	Client Info		**300**	3613	3727
Filter Age	hrs	Client Info		**300**	0	0
Oil Changed		Client Info		**Changed**	N/A	N/A
Filter Changed		Client Info		**Changed**	N/A	N/A
Sample Status				**ATTENTION**	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>100	**1**	3	6
Chromium	ppm	ASTM D5185m	>20	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>4	**<1**	0	<1
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m	>3	**0**	<1	0
Aluminum	ppm	ASTM D5185m	>20	**2**	1	2
Lead	ppm	ASTM D5185m	>40	**<1**	0	1
Copper	ppm	ASTM D5185m	>330	**0**	0	<1
Tin	ppm	ASTM D5185m	>15	**<1**	0	<1
Vanadium	ppm	ASTM D5185m		**<1**	0	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	**2**	3	4
Potassium	ppm	ASTM D5185m	>20	**0**	0	2
Fuel		WC Method	>5	**<1.0**	<1.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	*ASTM D7844	>3	**0.1**	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	**5.4**	5.3	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	**16.5**	17.0	16.7
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
Sodium	ppm	ASTM D5185m	>216	**0**	1	1
Boron	ppm	ASTM D5185m	250	**6**	16	18
Barium	ppm	ASTM D5185m	10	**0**	0	4
Molybdenum	ppm	ASTM D5185m	100	**56**	59	65
Manganese	ppm	ASTM D5185m		**<1**	0	<1
Magnesium	ppm	ASTM D5185m	450	**894**	887	900
Calcium	ppm	ASTM D5185m	3000	**1008**	1007	1074
Phosphorus	ppm	ASTM D5185m	1150	**1009**	959	995
Zinc	ppm	ASTM D5185m	1350	**1228**	1210	1231
Sulfur	ppm	ASTM D5185m	4250	**3125**	3063	3518
Oxidation	Abs/.1mm	*ASTM D7414	>25	**12.5**	12.7	12.5
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	**8.9**	9.2	9.3
Visc @ 100°C	cSt	ASTM D445	14.4	▲ **11.1**	▲ 11.2	▲ 11.1

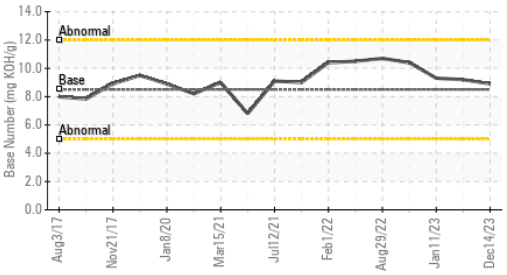
Report Id: PERDILSC [WUSCAR] 06057906 (Generated: 01/12/2024 13:05:07) Rev: 1

Submitted By: KEVIN HOOKS

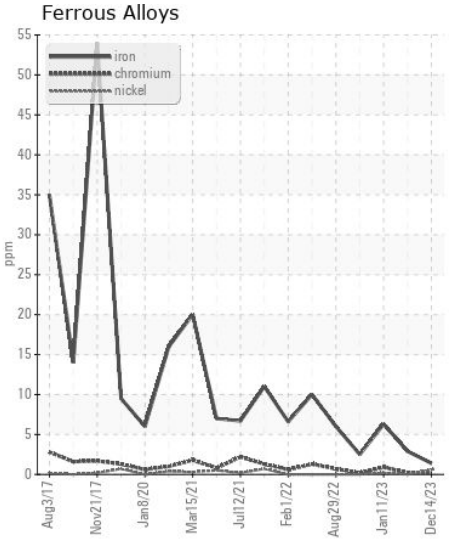
Viscosity @ 100°C



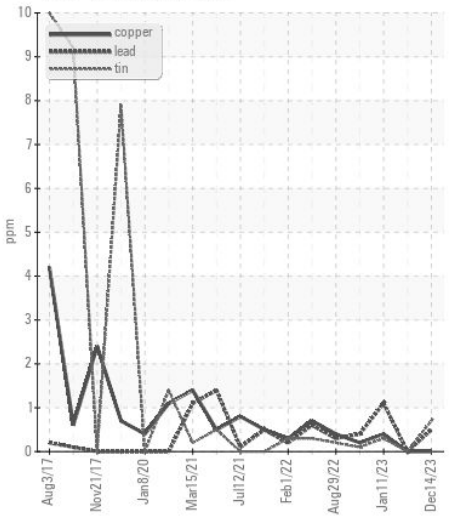
Base Number



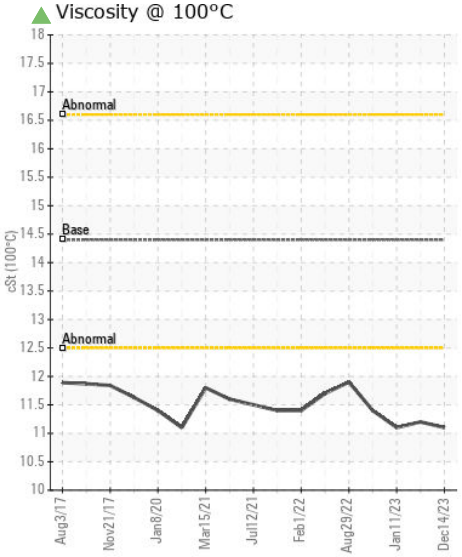
Ferrous Alloys



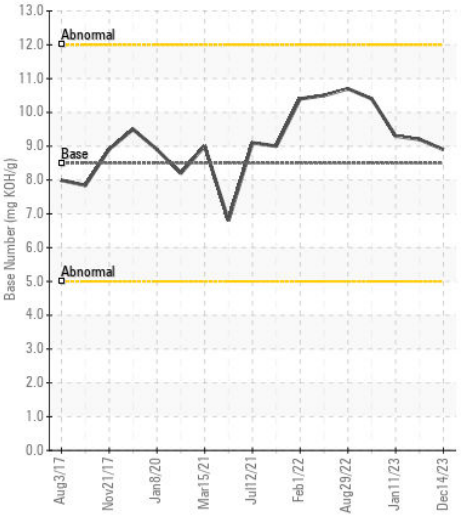
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112302 **Recieved** : 11 Jan 2024
Lab Number : 06057906 **Diagnosed** : 12 Jan 2024
Unique Number : 10829288 **Diagnostician** : Don Baldridge
Test Package : FLEET

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)

PERDUE FARMS - DILLON
2047 HWY 9 WEST
DILLON, SC
US 29536
Contact: KEVIN HOOKS
kevin.hooks@perdue.com
T: (843)841-8069
F: (843)841-8070