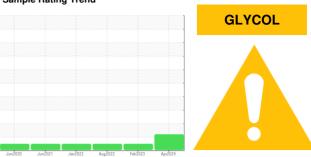


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

INTERNATIONAL 27

Component

Diesel Engine

PHILLIPS 66 15W40 (--- Oz)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

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.

		Jun2020	Jun2021 Jan2022	Aug2022 Feb2023	Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0102730	PCA0083498	PCA0066191
Sample Date		Client Info		07 Apr 2024	01 Feb 2023	31 Aug 2022
Machine Age	mls	Client Info		0	7343	12039
Oil Age	mls	Client Info		0	7343	12039
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	46	20	32
Chromium	ppm	ASTM D5185m	>20	2	1	1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		17	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	1
Lead	ppm	ASTM D5185m	>40	18	2	4
Copper	ppm	ASTM D5185m	>330	3	2	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m	7.0			
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		18	2	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		52	65	62
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		887	1001	922
Calcium	ppm	ASTM D5185m		1279	1113	1138
Phosphorus	ppm	ASTM D5185m		977	1056	1032
Zinc	ppm	ASTM D5185m		1252	1328	1255
Sulfur	ppm	ASTM D5185m		3398	3737	3254
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	3
Sodium	ppm	ASTM D5185m		21	3	<1
Potassium	ppm	ASTM D5185m	>20	<u> </u>	1	4
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	0.5	1
Nitration	Abs/cm	*ASTM D7624	>20	10.6	7.7	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9	20.1	24.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	15.9	19.4
Base Number (BN)	mg KOH/g	ASTM D2896	-	6.9	9.0	8.9
= 3.30 · 10.11001 (D14)	9				0.0	0.0



OIL ANALYSIS REPORT







Laboratory Sample No.

: PCA0102730 Lab Number : 06151013

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Unique Number : 10981091

: 16 Apr 2024 : 19 Apr 2024 Diagnosed

: 19 Apr 2024 - Jonathan Hester

ALBERT HOGOBOOM OILFIELD TRUCKING INC 767 OIL HILL ROAD EL DORADO, KS US 67042

Contact: LOREN JACK

Test Package : MOB 1 (Additional Tests: Glycol, TBN) 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.

loren@hogoboom.net T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (316)321-1396

Report Id: OILELD [WUSCAR] 06151013 (Generated: 04/20/2024 07:49:44) Rev: 1

Contact/Location: LOREN JACK - OILELD