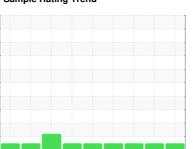


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



82D-238 - SEAL OIL TANK

Tank Gearbox

FLOWSERVE DuraClear 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Feb2023 Mad2023 May2023 Just023 Just023 Aug2023 Sep2023 Oct2022 Nov2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HPL0003074	HPL0001883	HPL0003071
Sample Date		Client Info		15 Nov 2023	16 Oct 2023	14 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	1	0	0
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	4
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	0
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		24	0	0
Phosphorus	ppm	ASTM D5185m		0	2	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		0	20	166
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	0	0	0
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	11295	1260	11390
Particles >6µm		ASTM D7647	>5000	4337	260	3098
Particles >14µm		ASTM D7647	>640	283	25	271
Particles >21µm		ASTM D7647	>160	74	5	89
Particles >38µm		ASTM D7647	>40	3	0	4
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/19/15	17/15/12	21/19/15
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A at al. Niversia au (ANI)		ACTM DODAE		0.045	0.005	0.047

Acid Number (AN)

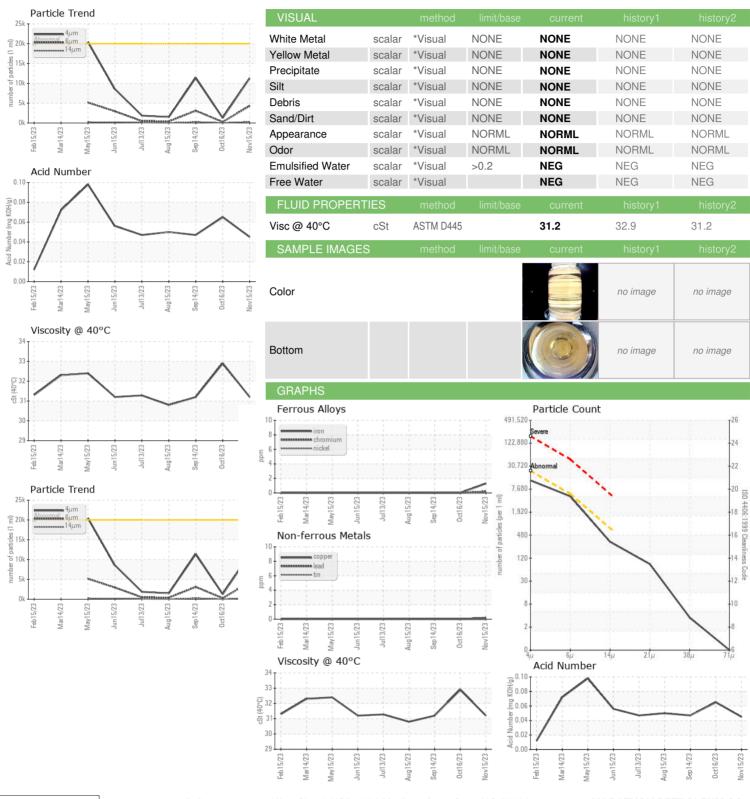
mg KOH/g ASTM D8045

0.045

0.047



OIL ANALYSIS REPORT







Certificate L2367

Laboratory

Sample No. Lab Number

Unique Number

: 06016338 : 10755482 Test Package : MOB 2 (Additional Tests: PrtCount)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 24 Nov 2023 : HPL0003074 Received

Diagnosed : 28 Nov 2023 : Jonathan Hester Diagnostician

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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