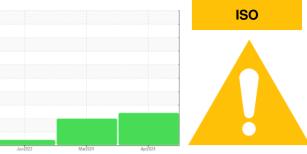


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

DVT 4 (S/N 2000847) Pump

Fluid HYDRAULIC OIL FG ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0007886	USP0008172	USP250459
Sample Date		Client Info		05 Apr 2024	23 Mar 2024	28 Jun 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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	3	2	<1
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm		>3	<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm		>7	3	2	0
Lead	ppm	ASTM D5185m	>12	0	<1	0
Copper	ppm	ASTM D5185m		۰ <1	<1	<1
Tin		ASTM D5185m	>30	<1	1	0
Vanadium	ppm	ASTM D5185m	23	<1	<1	0
Cadmium	ppm ppm	ASTM D5185m		<1 <1	<1	0
ADDITIVES	1- 1-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m	5	0	<1	0
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	5	1	<1	0
Calcium	ppm	ASTM D5185m	12	6	3	0
Phosphorus		ASTM D5185m	400	388	112	99
Zinc	ppm	ASTM D5185m	400	300	0	2
Sulfur	ppm ppm	ASTM D5185m	650	38	0	38
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	4	<1	0
Sodium	ppm	ASTM D5185m		8	<1	0
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water	%	ASTM D6304	>.1	0.002	0.005	0.002
ppm Water	ppm	ASTM D6304	>1000	18	58	23.1
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 110331	9 7400	
Particles >6µm		ASTM D7647	>1300	<u> </u>	2 3748	
Particles >14µm		ASTM D7647	>160	<u> </u>	1 281	
		ASTM D7647	>40	<u> </u>	<u> </u>	
Particles >21µm			× 10	A 31	9	
		ASTM D7647	>10	<u> </u>	5	
Particles >21µm		ASTM D7647 ASTM D7647		1	0	
Particles >21µm Particles >38µm						
Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647	>3	1	0	

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🔺 Particle Trend

Water (KF)

Abnormal

Abnorm

Acid Number

14µm

120 € 100k

80

60

40

201

Ok

6000

500

4000

3000 3000 Attained

1000

1.20 (B/H0.9 KOH/d) E0.72 Ê n 4 Pio 0.24

0.00

6000 5000 Sev

, vater 2000 Vater 3000

Π

3

36

34

(j 32 (j 30 Ba

a) 753 28 Abn

26 24

22

Abn 100

les (1

partic

OIL ANALYSIS REPORT

	VISUAL		method	limit/base	current
	White Metal	scalar	*Visual	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE
	Precipitate	scalar	*Visual	NONE	NONE
	Silt	scalar	*Visual	NONE	NONE
	Debris	scalar	*Visual	NONE	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE
Mar23/24 Apr5/24	Appearance	scalar	*Visual	NORML	NORML
Ap	Odor	scalar	*Visual	NORML	NORML
	Emulsified Water	scalar	*Visual	>.1	NEG
	Free Water	scalar	*Visual		NEG
	FLUID PROPERT	IES	method	limit/base	current
	Visc @ 40°C	cSt	ASTM D445	32	29.8
	SAMPLE IMAGES		method	limit/base	current
Mar23/24	Color				
	Bottom				



history1

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

history

NEG

NEG

24.5

history2

NONE

NONE

NONE

NONE

A MODER

NONE

NORML

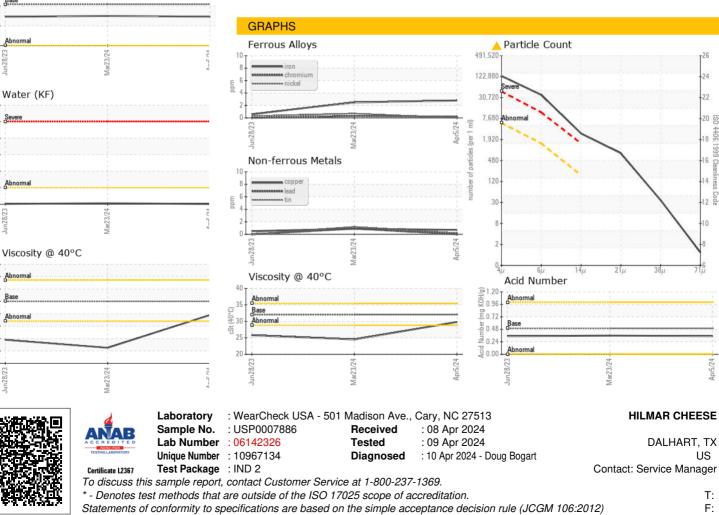
NORML

history2

NEG

NEG

25.8



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