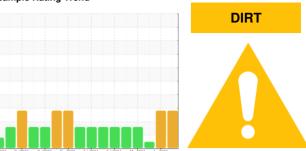


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

SL4-2 ASSET 9705 (S/N C1444000126)

Vacuum Pump

USPI 1580-125 (11 GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006758	USP0006760	USP0006759
Sample Date		Client Info		08 Apr 2024	03 Apr 2024	28 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		496	447	389
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	9	28	▲ 32
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>20	1	1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	3
Lead	ppm	ASTM D5185m	>20	1	1	1
Copper	ppm	ASTM D5185m		3	3	3
Tin	ppm		>20	1	1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		1	1	1
	ррпп		P 1. //			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	<1	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		4	5	6
Phosphorus	ppm	ASTM D5185m		1672	1429	1626
Zinc	ppm	ASTM D5185m		8	9	11
Sulfur	ppm	ASTM D5185m		970	879	1000
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u> </u>	▲ 68	▲ 63
Sodium	ppm	ASTM D5185m		6	6	5
Potassium	ppm	ASTM D5185m	>20	2	1	1
Water	%	ASTM D6304	>2.0	0.290	0.215	0.313
ppm Water	ppm	ASTM D6304	>20000	2900	2152	3135
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2250	187	
Particles >6µm		ASTM D7647	>1300	680	57	
Particles >14µm		ASTM D7647	>160	68	9	
Particles >21µm		ASTM D7647	>40	21	4	
Particles >38µm		ASTM D7647	>10	1	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/13	15/13/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	ma 1/011/a	ACTM DODAE		A 2.24		111010172

Acid Number (AN)

mg KOH/g ASTM D8045

<u>^</u> 2.68

3.34

2.04



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: USP0006758 Lab Number : 06147358

Unique Number : 10977436 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Apr 2024 Tested : 15 Apr 2024

Diagnosed : 15 Apr 2024 - Doug Bogart

CAMBRIA 31496 CAMBRIA AVE LE SUEUR, MN US 56058

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

T:

F: