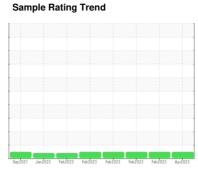


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. (Customer Sample Comment: Possibly contaminated with Nuto-H-32)

Wear

All component wear rates are normal.

Contamination

The water content is negligible. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

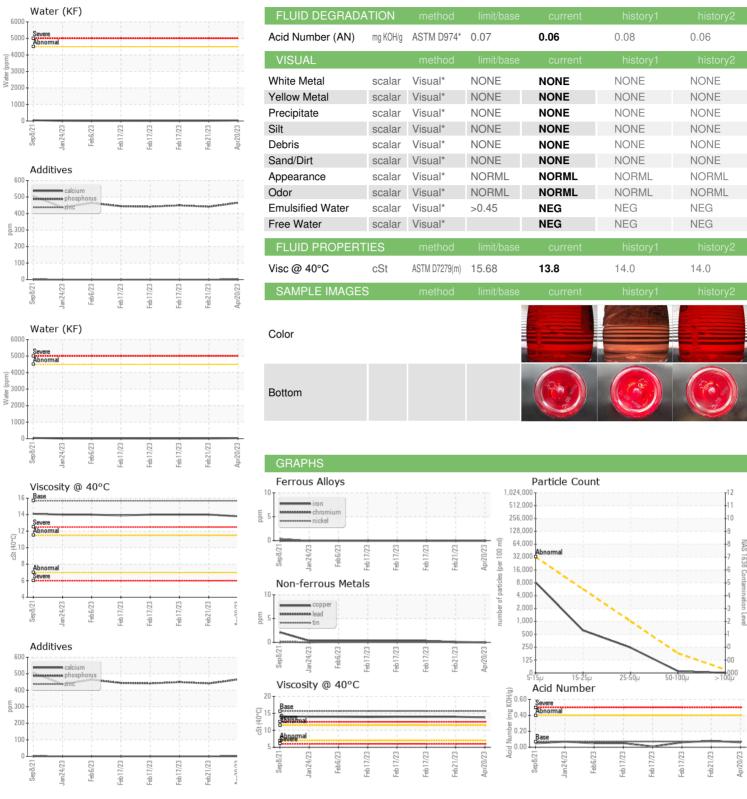
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Sep2021 J	Jan 2023 Feb 2023 Feb 20.	23 Feb2023 Feb2023 Feb2023	3 Apr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0741644	WC0741642	WC0741649
Sample Date		Client Info		20 Apr 2023	21 Feb 2023	17 Feb 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
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	0	0	0
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	0
Lead	ppm	ASTM D5185(m)	>20	0	0	<1
Copper	ppm	ASTM D5185(m)	>20	0	<1	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)	0	1	2	2
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	0	0
Calcium	ppm	ASTM D5185(m)		0	0	0
Phosphorus	ppm	ASTM D5185(m)		465	441	449
Zinc	ppm	ASTM D5185(m)		4	<1	<1
Sulfur	ppm	ASTM D5185(m)		127	94	92
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	1	1
Sodium	ppm	ASTM D5185(m)		0	<1	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1
Water	%	ASTM D6304*	>0.45	0.003	0.001	0.001
ppm Water	ppm	ASTM D6304*	>4500	29.2	7.4	1.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles 5-15µm	count	NAS 1638	>32000	8188	4121	3080
Particles 15-25µm	count	NAS 1638	>5700	618	327	426
Particles 25-50µm	count	NAS 1638	>1012	245	80	207
Particles 50-100µm	count	NAS 1638	>180	17	33	26
Particles >100µm	count	NAS 1638	>32	0	0	7
NAS 1638	Class		>7	6	5	5



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0741644 Received : 26 Apr 2023

Tested : 02553617 : 27 Apr 2023 Diagnosed Unique Number : 5566632 : 27 Apr 2023 - Kevin Marson Test Package : IND 2 (Additional Tests: KF, PrtCount, PrtCountNAS, TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Safran Landing Systems 574 Monarch Ave Ajax, ON

CA L1S 2G8 Contact: Rob Zane rob.zane@safrangroup.com T:

F: (905)683-6983

Submitted By: Rob Zane