

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

DUNHAM/HOWDEN TYSNEWP2 1H1B (S/N L858/MK4A)

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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.

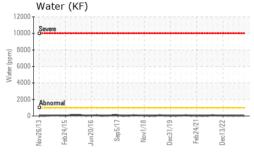
Fluid Condition

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

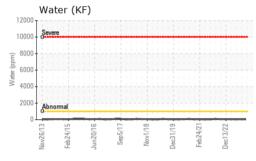
		v2013 Feb20	5 Jun2016 Sep2017	Nov2018 Dec2019 Feb2021 E	ec2022	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0008147	USP0004705	USP243415
Sample Date		Client Info		21 Mar 2024	14 Dec 2023	16 Jun 2023
Machine Age	hrs	Client Info		209545	208078	206681
Oil Age	hrs	Client Info		96859	95394	93997
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	0
Tin	ppm	ASTM D5185m	>15	<1	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		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	2	21
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m		2	0	0
Water	%	ASTM D6304	>0.1	0.003	0.004	0.003
ppm Water	ppm	ASTM D6304	>1000	33	47	33.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3149	9670	2679
Particles >6µm		ASTM D7647	>2500	585	2919	761
Particles >14μm		ASTM D7647	>320	23	167	45
Particles >21µm		ASTM D7647	>80	5	32	10
Particles >38μm		ASTM D7647	>20	0	1	1
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	19/16/12	0 20/19/15	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.005	0.027	0.014	0.015

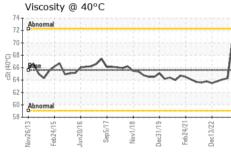


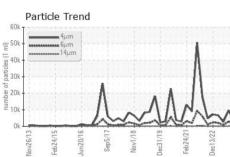
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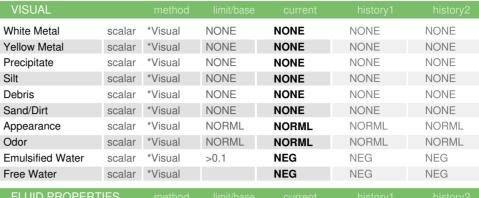


0k - 14μm	
0k-	
	1
Nov28/13 Van20/16 Sep5/17 Nov1/18 Feb24/21	17





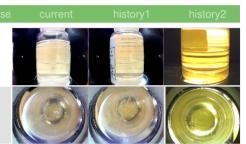




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Visc @ 40°C	cSt	ASTM D445	65.6	70.9	64.3	64.1

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Color	





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0v2	eb2	un2	Sep	Nov	EC3	Feb 2	loe(1	lov2	Seb 2	un2 Sep	Nov	Dec.3 Feb.2	la la





Certificate 12367

Laboratory Sample No. Lab Number : 06136443

: USP0008147 Unique Number : 10955908 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Apr 2024

Tested : 04 Apr 2024 Diagnosed : 04 Apr 2024 - Doug Bogart

TYSON - NEW HOLLAND - PLANT 2 -USP PLANT 2 403 S CUSTER AVE NEW HOLLAND, PA

US 17557

T: (800)755-4572

F: (402)423-6661

Contact: RICK DUVALL

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)

Contact/Location: RICK DUVALL - TYSNHOLP2