

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

090-HU-003 Second Press

Hydraulic System Fluid ESSO NUTO H ISO 150 (10000 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using Advanced Oil Monitoring (AOM) kits for this system. The AOM test package includes advanced level testing to determine the suitability of turbine and large industrial compressor oils for continued use.

Wear

Component wear rates appear to be normal (unconfirmed).

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service (unconfirmed).

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0962286	WC0913386	WC0879781
Sample Date		Client Info		03 Jul 2024	26 Feb 2024	08 Nov 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	ATTENTION	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>20	0	<1	0
Copper	ppm	ASTM D5185(m)	>20	3	2	2
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	0	<1
Barium	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		3	3	2
Calcium	ppm	ASTM D5185(m)		106	108	109
Phosphorus	ppm	ASTM D5185(m)		395	413	395
Zinc	ppm	ASTM D5185(m)		495	516	523
Sultur	ppm	ASTM D5185(m)		8397	9218	8862
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2	<1	<1
Sodium	ppm	ASTM D5185(m)		2	2	2
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	822	4434	2642
Particles >6µm		ASTM D7647	>1300	241	1344	796
Particles >14µm		ASTM D7647	>160	22	82	56
Particles >21µm		ASTM D7647	>40	5	14	13
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness :48:20) Rev: 1		ISO 4406 (c)	>19/17/14	17/15/12	19/18/14 Submitted By	19/17/13 Bob Melanson



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Feb19/20

OIL ANALYSIS REPORT



FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	.40	0.87	0.86	0.89
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	151.3	146	149	147
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
Bottom						
PrtFilter				no image	no image	no image

EINING STRUCTURE	CALA	Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9				
	Acreedication No. 1005219	Sample No.	: WC0962286	Received	: 04 Jul 2024		
	ISO 17025:2017	Lab Number	: 02645636	Tested	: 05 Jul 2024		
	Accredited	Unique Number	: 5803175	Diagnosed	: 05 Jul 2024 - Kevin Marson		
	Laboratory	Test Package : IND 2 (Additional Tests: Bottom, FilterPatch, 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.						

New Forest Paper Mill

333 Progress Avenue Scarborough, ON CA M1P 2Z7 Contact: Nayan Patel nayan_patel@atlantic.ca T: (519)991-8496 F: (416)298-5386

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Jul5/22

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