

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area SSC Machine Id NIRO 4 (S/N 006) Component Transmission (Manual) Fluid DTE 10 (15 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.

																				1)	VI.	A		
															1								^	
															1							/		
															1									
															1		Κ		/					
														1	1									
														1	1									
									٠															
	Π		1	-		1	1			1		Ļ	1	1										F.

SAMPLE INFORMATION method USP0012344 USP0013291 USP0012829 Sample Number **Client Info** Sample Date Client Info 12 Jul 2024 10 Jun 2024 24 May 2024 Client Info Machine Age hrs 0 56340 56084 Oil Age hrs Client Info 0 0 0 Oil Changed N/A N/A N/A **Client Info** NORMAL Sample Status NORMAL NORMAL WEAR METALS >200 2 Iron ppm ASTM D5185m <1 <1 Chromium ASTM D5185m >5 0 0 0 ppm Nickel ppm ASTM D5185m >5 0 0 0 Titanium ASTM D5185m 0 <1 ppm <1 >7 0 Silver ppm ASTM D5185m 0 <1 >25 Aluminum ASTM D5185m 0 0 ppm <1 Lead ASTM D5185m >45 1 3 4 ppm >225 ASTM D5185m Copper <1 1 ppm 1 Tin ppm ASTM D5185m >10 <1 1 2 Vanadium ASTM D5185m 0 ppm <1 <1 Cadmium ppm ASTM D5185m 0 0 <1 0 0 0 Boron ppm ASTM D5185m Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum 0 ppm ASTM D5185m Manganese ppm ASTM D5185m <1 <1 <1 ASTM D5185m Magnesium ppm <1 <1 <1 54 69 91 Calcium ppm ASTM D5185m Phosphorus ppm ASTM D5185m 137 140 155 Zinc ASTM D5185m 0 3 ppm <1 1119 Sulfur 969 ppm ASTM D5185m 891 CONTAMINANTS Silicon ppm ASTM D5185m >125 <1 1 1 Sodium ppm ASTM D5185m 1 1 <1 Potassium ASTM D5185m >20 0 1 ء1 ppm 0.004 0.003 Water % ASTM D6304 >0.1 0.002 41 37 24 ppm Water ppm ASTM D6304 >1000 FLUID CLEANLINESS >10000 700 711 Particles >4µm ASTM D7647 1883 >2500 203 Particles >6µm ASTM D7647 150 290 Particles >14µm ASTM D7647 >320 12 3 12 Particles >21µm ASTM D7647 >80 2 0 2 Particles >38µm ASTM D7647 >20 1 0 0 Particles >71µm ASTM D7647 0 0 0 >4 **Oil Cleanliness** >20/18/15 17/15/11 17/14/9 18/15/11 ISO 4406 (c) FLUID DEGRADATION

0.104

Acid Number (AN)

mg KOH/g ASTM D8045

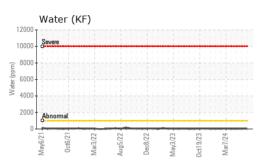
Contact/Location: - BPISSC

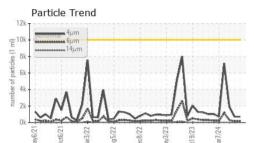
0.08

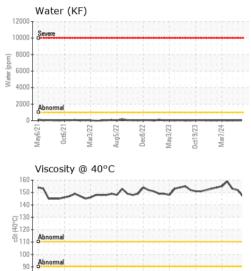
0.086

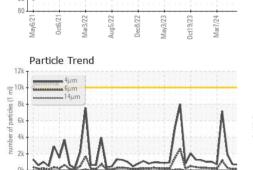


OIL ANALYSIS REPORT

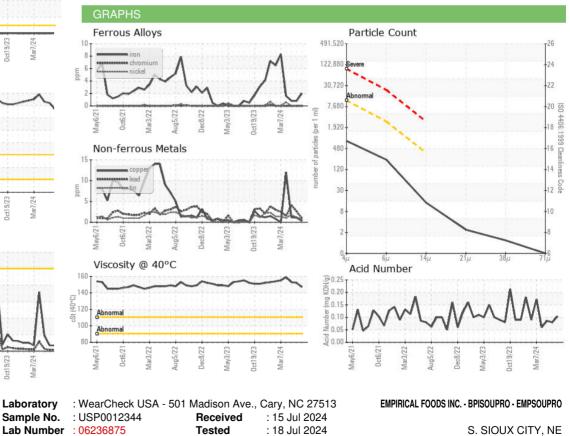








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		147	152	153
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						



: 18 Jul 2024 - Jonathan Hester



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

Unique Number : 11125709

Test Package : IND 2

* - 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)

Diagnosed

Report Id: BPISSC [WUSCAR] 06236875 (Generated: 07/18/2024 08:36:06) Rev: 1

Certificate 12367

Contact/Location: - BPISSC Page 2 of 2

US

T:

F:

Contact: