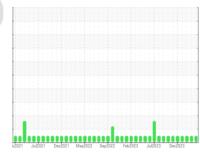


OIL ANALYSIS REPORT

Sample Rating Trend







SSC Machine Id NIRO 1 (S/N 003)

Transmission (Manual)

MOBIL DTE 10 XL 150 (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 component. The amount and size of particulates present in the system is acceptable.

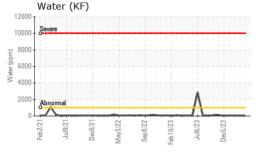
Fluid Condition

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

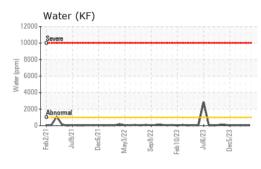
		62021 Jul20	21 Dec2021 May2022	Sep2022 Feb2023 Jul2023 [Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006330	USP0005834	USP0007223
Sample Date		Client Info		08 Apr 2024	07 Mar 2024	07 Feb 2024
Machine Age	hrs	Client Info		0	55380	54391
Oil Age	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 D5185m	>200	2	2	9
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>45	1	<1	8
Copper	ppm	ASTM D5185m	>225	6	4	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	2
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		1	0	0
Magnesium	ppm	ASTM D5185m		3	0	0
Calcium	ppm	ASTM D5185m		79	53	55
Phosphorus	ppm	ASTM D5185m		316	405	133
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1591	1651	964
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<1	0	0
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m		2	0	0
Water	%	ASTM D6304	>0.1	0.002	0.004	0.003
ppm Water	ppm	ASTM D6304	>1000	17	46	31
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	898	2073	4617
Particles >6μm		ASTM D7647	>2500	267	776	1684
Particles >14μm		ASTM D7647	>320	17	61	149
Particles >21μm		ASTM D7647	>80	6	14	27
Particles >38μm		ASTM D7647	>20	1	0	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/11	18/17/13	19/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.09	0.07	0.092

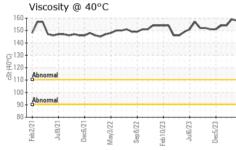


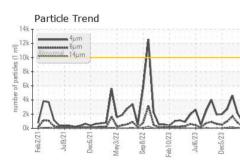
OIL ANALYSIS REPORT

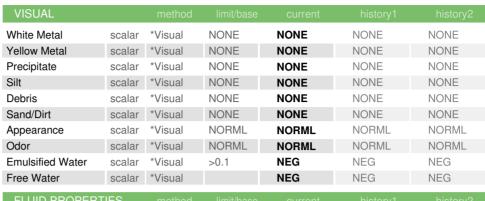


Par 14k _T	ticle 1	rend	nneran					
12k - Abn		m m um		1				
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Gk-			A	-//				
quality and the second			N	1/1		11	N	1
0k 2	-	217	<u> </u>	2		<u> </u>	8	11
eb2/	6	/93	lay3/2	Sep8/2	7/0	1/9	7/53	









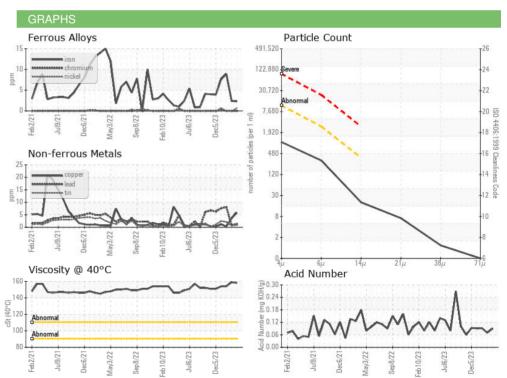
I LOID I NOI LI	ITTILO	memou		HISTOLAL	HISTOLYZ
Visc @ 40°C	cSt	ASTM D445	158	159	154

SAMP	LE IMAGES

Color

Bottom









Laboratory Sample No.

Lab Number : 06150466 Unique Number : 10980544

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USP0006330 Received : 16 Apr 2024

Tested : 17 Apr 2024 Diagnosed : 17 Apr 2024 - Doug Bogart

EMPIRICAL FOODS INC. - BPISOUPRO - EMPSOUPRO

S. SIOUX CITY, NE US Contact:

Certificate 12367

Test Package : IND 2

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: