

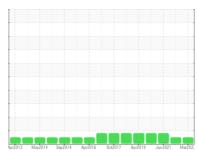
OIL ANALYSIS REPORT

HINO [600380480] 02WEA80809

Component

Hydraulic System

SHELL TELLUS ARTIC 32 (--- LTR)



Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

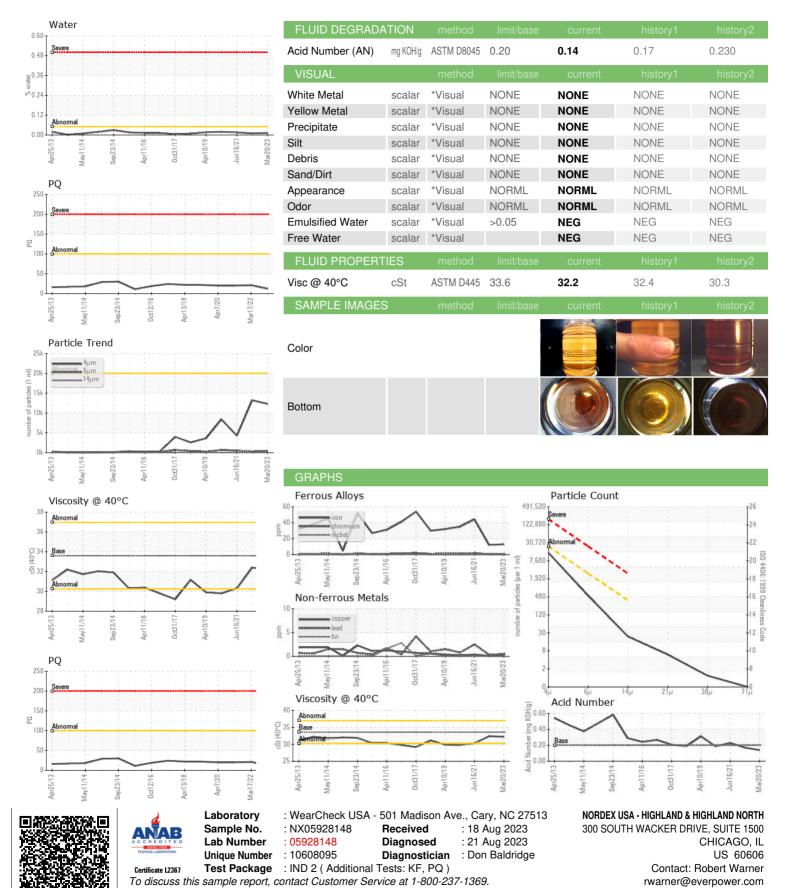
Fluid Condition

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

λ _{ερτ} 2013 Μπ _{ερτ} 2014 S _{πρτ} 2016 Ουτ2017 Α _{ρττ} 2016 Ουτ2017 Μπτ2021 Μπτ2021						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX05928148	NX05602789	NX05387331
Sample Date		Client Info		20 Mar 2023	17 Mar 2022	16 Jun 2021
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	MARGINAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	21	20
Iron	ppm	ASTM D5185m	>20	13	12	4 4
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<1	0	<1
Lead	ppm	ASTM D5185m	>20	<1	<1	2
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Antimony	ppm	ASTM D5185m				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	5	0	<1	1
Barium	ppm	ASTM D5185m	0	0	0	0
	ppm	ASTM D5185m	0	0	0	<1
	ppm	ASTM D5185m	0	0	0	<1
	ppm	ASTM D5185m	0	<1	0	<1
	ppm	ASTM D5185m	5	2	<1	9
	ppm	ASTM D5185m	600	589	571	609
	ppm	ASTM D5185m	50	76	53	134
	ppm	ASTM D5185m	900	677	737	1020
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	3
Sodium	ppm	ASTM D5185m		0	0	2
	ppm	ASTM D5185m	>20	0	0	1
	%	ASTM D6304	>0.05	0.012	0.010	0.015
ppm Water	ppm	ASTM D6304	>500	127.7	106.9	158.3
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	12279	13230	4279
Particles >6μm		ASTM D7647	>2500	458	278	510
Particles >14μm		ASTM D7647	>320	20	11	23
Particles >21µm		ASTM D7647	>80	5	5	5
Particles >38μm		ASTM D7647	>20	1	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/18/15	21/16/11	21/15/11	19/16/12
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OIL ANALYSIS REPORT



* - 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)

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