

OIL ANALYSIS REPORT

MAGENTA NTX [200007685] Machine Id 30WEA91145

Component Hydraulic System Fluid SHELL TELLUS S4 VX 32 (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

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				Mar2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NX012274		
Sample Date		Client Info		11 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15		
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	8		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		4		
Calcium	ppm	ASTM D5185m		27		
Phosphorus	ppm	ASTM D5185m		356		
Zinc	ppm	ASTM D5185m		217		
Sulfur	ppm	ASTM D5185m		7241		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	0.004		
ppm Water	ppm	ASTM D6304	>500	40		
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7233		
Particles >6µm		ASTM D7647	>1300	<mark> </mark> 2149		
Particles >14µm		ASTM D7647	>160	158		
Particles >21µm		ASTM D7647	>40	31		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>17/14	18/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33		

Sample Rating Trend

ISO

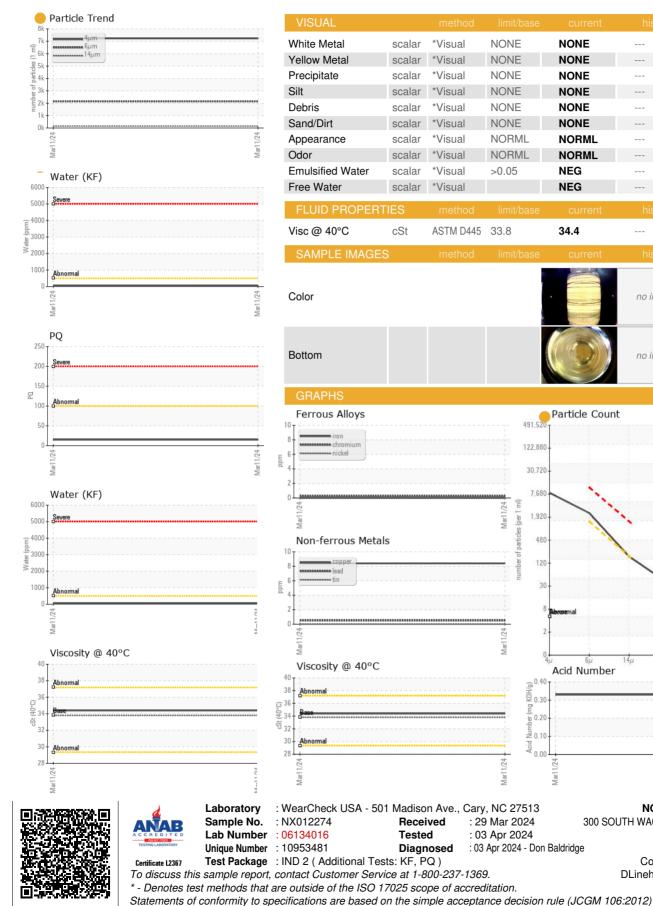
Acid Number (AN) mg KOH/g ASTM D8045

Report Id: NORDEX [WUSCAR] 06134016 (Generated: 04/03/2024 12:56:22) Rev: 1

Contact/Location: DEVIN LINEHAN - NORDEX



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NONE *Visual NONE NONE NONE *Visual *Visua NONE NONE scalar *Visual NONE NONE *Visual NONE NONE NONE NONE *Visual NORML *Visual NORML *Visual NORML NORML *Visual >0.05 NEG scalar *Visual NEG ASTM D445 33.8 34.4 no image no image no image no image Particle Count 491,5 122,880 30.720 7.68 Mar11/24 4406 per 1 1,920 :1999 Cle 480 120 14 30 Mar11/24 214 38 Acid Number (B) HOX 0.30 0.20 0.10 Acid 0.00 Mar11/24 -174 1/24 Marl Marl **NORDEX USA - Chicago** : WearCheck USA - 501 Madison Ave., Cary, NC 27513 300 SOUTH WACKER DRIVE, SUITE 1500 Received : 29 Mar 2024 : 03 Apr 2024 CHICAGO, IL : 03 Apr 2024 - Don Baldridge US 60606

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