LABORATORY ANALYSIS



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NMCM NIDEC-CMD

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MX

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Equipment No. PRENSA (00002)

System Hydraulic System

Oil Type LUBRAL HIDRALICO ALTO DESEMPER 32 (--- GAL)

DIAGNOSIS

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Confirm the source of the lubricant being utilized for topup/fill. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.L and s, severity index and wpc levels are severe. Iron (Fe) ppm levels are abnormal. Cylinder or oil pump wear indicated. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Customer Id: NMCAPO Sample No.: EN23120793 Lab Number: 23120793 Test Package: TEST



Sulfur (S)

1380

ppm

2,750

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SAMPLE INFORMATION					
Lab Number		New	2312-00793		
Date of Sample		(Typical)	15 Dec 2023		
Oil Added		(1)	UNK		
Last Drain Date					
Last Filter Service					
Sample Point					
Sample Status			SEVERE		
VISCOSITY @ 100F OR 40C (ASTM D-445)					
SSU Vis. @ 100F	SSU		168.4		
cSt Vis. @ 40C	cSt	32	■32.57		
TOTAL ACID NU	MBER	(NEUT. NO.))(ASTM D974)		
TAN, mg KOH/g	mg KOH/g	0.52	1.39		
PARTICLE COU	NT (PE	R 1ML)			
ISO CODE	ISO 4406(c)	>21/20/16	26/25/18		
4 Micron & Larger		>20000	353,753		
6 Micron & Larger	particles/1ml	>10000	195,929		
14 Micron & Larger	particles/1ml		▲ 2,420		
21 Micron & Larger	particles/1ml	>160	■ 116		
38 Micron & Larger	particles/1ml		4		
70 Micron & Larger	particles/1ml		1		
ICP - OILS (REPORTED IN PARTS PER MILLION)					
Aluminum (Al)	ppm		*		
Antimony (Sb)	ppm		*		
Cadmium (Cd)	ppm		*		
Chromium (Cr)	ppm		*		
Cobalt (Co)	ppm		*		
Copper (Cu)	ppm		*		
Iron (Fe)	ppm		▲ 32		
Lead (Pb)	ppm		*		
Manganese (Mn)	ppm		*		
Molybdenum(Mo)	ppm		*		
Nickel (Ni)	ppm		*		
Silver (Ag)	ppm		<5		
Tin (Sn)	ppm		*		
Titanium (Ti)	ppm		*		
Vanadium (V)	ppm		*		
Barium (Ba)	ppm		*		
Boron (B)	ppm		<5		
Calcium (Ca)	ppm	55	■91		
Magnesium (Mg)	ppm		*		
Phosphorus(P)	ppm	355	451		
Silicon (Si)	ppm		*		
Zinc (Zn)	ppm	431	▲ 91 ▲ 0.750		



OIL ANALYSIS REPORT

