LABORATORY ANALYSIS

ENGINEERED LUBRICANTS
11525 Rock Island Court, St. Louis, MO 63043
Tel: 1-800-876-0008 info@englube.com

Department **MAQUINADOS 1**

Equipment No. **1904.5 HYD DEKKA 8-SP DRILL (DEKKA DRILL PRESS) (00021)**

System **Hydraulic System**

Oil Type **ENGINEERED LUBRICANTS ENLUBE 30-AW (--- GAL)**

EGS MEXICO S DE RL DE CV
VIA MONTERREY MATAMOROS NO 598
MEXICO, ZZ
Mexico
Contact: Lizbeth Manzanares
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T:
F:

DIAGNOSIS

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

Lab Number		New	**2312-00025**	2306-00765	---
Date of Sample		(Typical)	**13 Nov 2023**	16 Jun 2023	---
Oil Added			**UNK**	UNK	---
Last Drain Date			**--**	--	---
Last Filter Service			**--**	--	---
Sample Point			**---**	---	---
Sample Status			**SEVERE**	SEVERE	---

VISCOSITY @ 100F OR 40C (ASTM D-445)

SSU Vis. @ 100F	SSU		**194.8**	193.5	---
cSt Vis. @ 40C	cSt	68.0	**37.72**	37.49	---

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8		**1.0**	0.5	---

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	**21/19/14**	18/14/11	---
4 Micron & Larger	particles/1ml	>5000	**17,497**	2,057	---
6 Micron & Larger	particles/1ml	>2500	**3,709**	158	---
14 Micron & Larger	particles/1ml	>160	**82**	19	---
21 Micron & Larger	particles/1ml	>40	**14**	7	---
38 Micron & Larger	particles/1ml	>10	**1**	1	---
70 Micron & Larger	particles/1ml	>3	**0**	0	---

ICP - OILS (REPORTED IN PARTS PER MILLION)

Aluminum (Al)	ppm		**<5**	<5	---
Antimony (Sb)	ppm		**<5**	<5	---
Cadmium (Cd)	ppm		**<5**	<5	---
Chromium (Cr)	ppm		**<5**	<5	---
Cobalt (Co)	ppm		**<5**	<5	---
Copper (Cu)	ppm		**<5**	<5	---
Iron (Fe)	ppm		**<5**	<5	---
Lead (Pb)	ppm		**<5**	<5	---
Manganese (Mn)	ppm		**<5**	<5	---
Molybdenum(Mo)	ppm		**<5**	<5	---
Nickel (Ni)	ppm		**<5**	<5	---
Silver (Ag)	ppm		**<5**	<5	---
Tin (Sn)	ppm		**<5**	<5	---
Titanium (Ti)	ppm		**<5**	<5	---
Vanadium (V)	ppm		**<5**	<5	---
Barium (Ba)	ppm		**<5**	<5	---
Boron (B)	ppm		**<5**	<5	---
Calcium (Ca)	ppm		**82**	91	---
Magnesium (Mg)	ppm		**<5**	<5	---
Phosphorus(P)	ppm		**508**	548	---
Silicon (Si)	ppm		**<5**	<5	---
Zinc (Zn)	ppm	668	**602**	690	---
Sulfur (S)	ppm		**1,420**	1,660	---

Customer Id: ENC0005J03
Sample No.: EN23120025
Lab Number: 23120025
Test Package: TEST

To manage this report scan the QR code

To discuss the diagnosis or test data:
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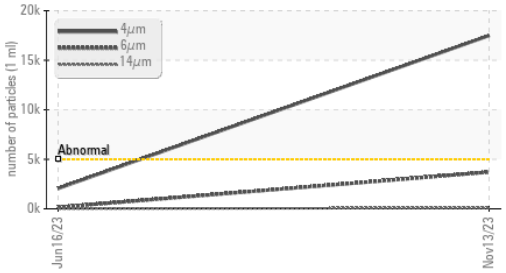
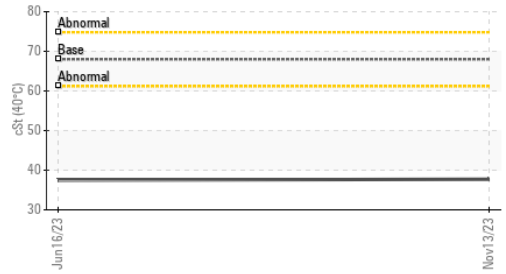
OIL ANALYSIS REPORT

Particle Trend



Viscosity @ 40°C



DR FERROGRAPHY READINGS

L			**1.6**	2.8	---
S			**1.5**	0.8	---
WPC	DL + DS		**3.1**	3.6	---

CONTAMINATION

Water	>0.05	**NEG**	NEG	---