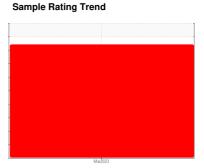


OIL ANALYSIS REPORT

[C&L EXCAVATION] Machine Id JCB JS160 2767702

Component **Swing Drive**

SHELL SPIRAX HD 80W140 (4 QTS)





DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

Appearance is unacceptable. There is a high amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil.

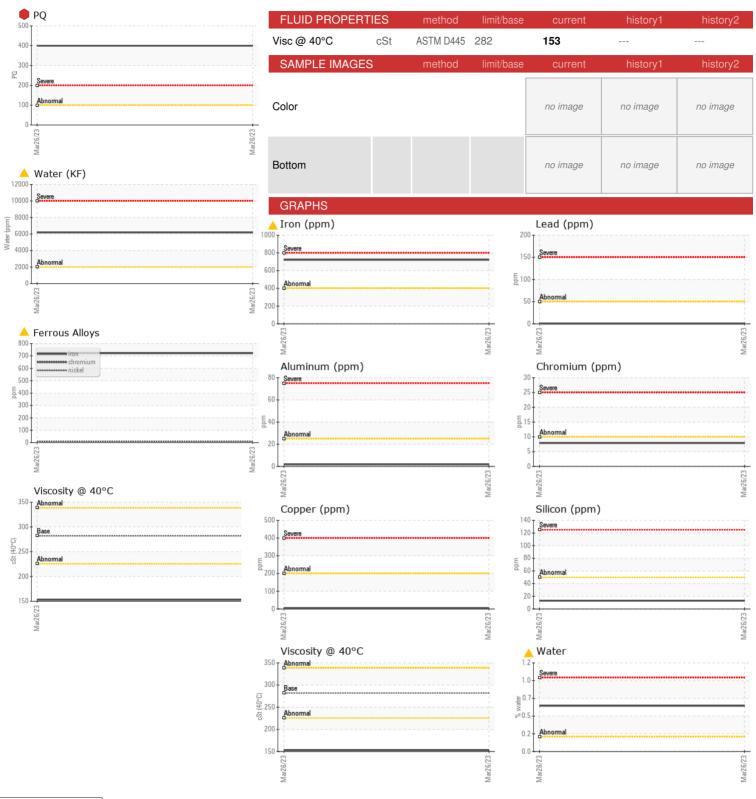
Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

W140 (4 QTS)				Mar2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JCB004530		
Sample Date		Client Info		26 Mar 2023		
Machine Age	hrs	Client Info		1301		
Oil Age	hrs	Client Info		200		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		400		
Iron	ppm	ASTM D5185m	>400	722		
Chromium	ppm	ASTM D5185m	>10	8		
Nickel	ppm	ASTM D5185m		3		
Titanium	ppm	ASTM D5185m	710	<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>50	<1		
Copper		ASTM D5185m	>200	2		
Tin	ppm			0		
	ppm	ASTM D5185m	>10	-		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		6		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		34		
Phosphorus	ppm	ASTM D5185m		615		
Zinc	ppm	ASTM D5185m		39		
Sulfur	ppm	ASTM D5185m		16155		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	13		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.2	0.619		
ppm Water	ppm	ASTM D6304	>2000	<u></u> ▲ 6190		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	▲ HEAVY		
Debris	scalar	*Visual	NONE	▲ MODER		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	▲ MILKY		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	0.2%		
Free Water	scalar	*Visual	~ V.L	NEG		
1:33:45) Rev: 1	Scalai	visual	Conta		ATT NAUGHTON	I - BOYCONNI



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number Unique Number

: JCB004530 : 05807889 : 10405418

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 Mar 2023 Diagnosed : 10 Apr 2023

Diagnostician : Doug Bogart

Test Package : MOB 1 (Additional Tests: KF, PQ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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) **ALTA EQUIPMENT**

114 HALL ST CONCORD, NH US 03301

Contact: MATT NAUGHTON matt.naughton@altg.com

Contact/Location: MATT NAUGHTON - BOYCONNH

T:

F: