

CONSTRUCTION EQUIPMENT

02586139 GROVE GRT8120 237293 - HYDRAULIC SYSTEM

Sample No: VCP394728

Oil Type: SHELL NATURELLE S2 32

Job No: 02586139

SAMPLE IN	FORMATION			
Sample Number	-	VCP394728	VCP352463	
Sample Date		28 Jul 2023	09 Dec 2022	
Machine Hours		700	498	
Oil Hours		40	498	
Oil Changed		Not Changd	Not Changd	
Sample Status		ABNORMAL	NORMAL	
OIT CONDI	TION			
Visc @ 40°C	cSt	■32.2	47.2	
Visc @ 100°C	cSt	6.9		
Viscosity Index (VI)	Scale	■182		
CONTAMIN	IATION			
Water	%	NEG	NEG	
Particles >4µm		7135	2119	
Particles >6µm		1860	617	
Particles > 14µm		138	44	
ISO 4406:1999 (c)		20/18/14	18/16/13	
Silicon	ppm	2	1 4	
Sodium	ppm	■<1	2	
Potassium	ppm	■<1	1	

WEAR METALS					
Iron	ppm	 <1	2		
Copper	ppm	■<1	1		
Lead	ppm	0	< 1		
Tin	ppm	■0	0		
Aluminum	ppm	1	< 1		
Chromium	ppm	■ 0	0		
Molybdenum	ppm	■<1	2		
Nickel	ppm	■0	0		
Titanium	ppm	1	<1		
Silver	ppm	0	0		
Manganese	ppm	■ 0	<1		
Vanadium	ppm	0	0		

ADDITIVES							
Calcium	ppm	454	3191				
Magnesium	ppm	■ 3	21				
Zinc	ppm	191	1279				
Phosphorus	ppm	■324	1097				
Barium	ppm	■ 0	0				
Boron	ppm	13	91				



STRONGCO EQUIPMENT INC.

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CA J4B 6Z6
Contact: Jonathan Lamontagne

jlamontagne@strongco.com T: (450)449-4666 F: (450)449-7913

Diagnosis

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill.All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration (6.8%) of mineral oil present in the fluid. Additive levels indicate the addition of a different brand, or type of oil.

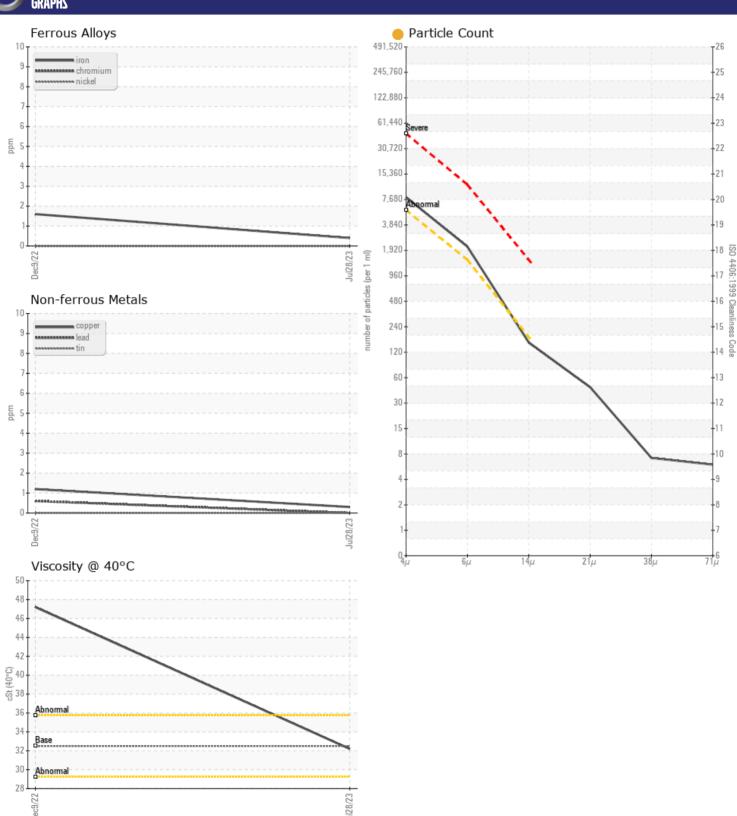
Depot: SHEBOU
Unique No: 5620784
Signed: Bill Quesnel
Report Date: 02 Oct 2023



CONSTRUCTION EQUIPMENT









FAIL

Area

Machine Id

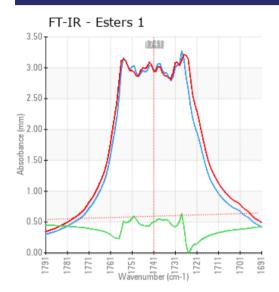
Component

Hydraulic System

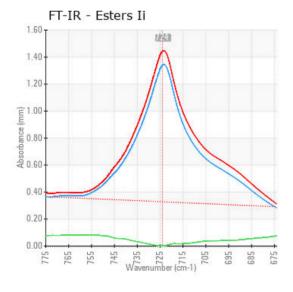
SHELL NATURELLE S2 32 (--- GAL)

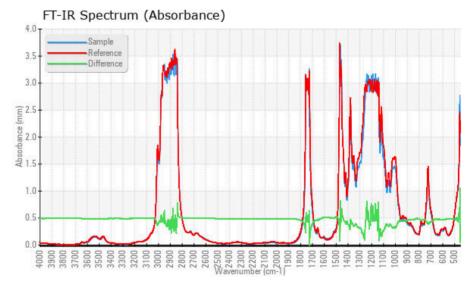


SPECTRAL ANALYSIS











CALA ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : VCP394728 Received : 14 Aug 2023 : 02 Oct 2023 **Lab Number** : 02575733 Tested

Unique Number : 5620784 Diagnosed : 02 Oct 2023 - Bill Quesnel Test Package : MOB 1 (Additional Tests: FT-IR, KV100, Mineral Oil Content, PrtCount, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

STRO

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Conta

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