CONSTRUCTION EQUIPMENT



Sample No: LH0274095

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

SAMPLEINFORMATION							
Sample Number	LH0274095	LH0238909	LH0225267	LH0225484			
Sample Date	01 Sep 2023	20 Jan 2023	24 May 2022	20 May 2022			
Machine Hours	2993	2095	6980	1163			
Oil Hours	0	0	0	0			
Oil Changed	Not Changd	Not Changd	N/A	N/A			
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL			



Transelec Common Inc. 2075 Boul. Fortin Laval, QC CA H7S 1P4 Contact: Service Manager

Diagnosis

T: F:

OILCO	NDITION				
Visc @ 40°C	cSt	23.6	24.3	44.6	25.2

CONT	AMINATIO	N			
Water	%		0.005		
Particles >4µm		6259	4866	8929	O 18164
Particles >6µm		1070	987	O 1064	O 1026
Particles >14µm		26	35	14	O 13
ISO 4406:1999 (c)		20/17/12	19/17/12	20/17/11	21/17/11
Silicon	ppm	5	4	4	4
Sodium	ppm	 <1	O <1	O 2	0
Potassium	ppm	1	O <1	O <1	O <1

Potassium	ppm	0 1	○ <1	○ <1	() <1			
WEAR METALS								
Iron	ppm	8	6	1 3	O 4			
Copper	ppm	4	4	3	4			
Lead	ppm	○ <1	O <1	O <1	O <1			
Tin	ppm	0	O 0	O <1	0			
Aluminum	ppm	○ <1	O <1	O <1	O <1			
Chromium	ppm	0 1	O <1	1	O <1			
Molybdenum	ppm	0	O 0	<1	0			
Nickel	ppm	○ <1	O <1	0	0			
Titanium	ppm	0	0	0	0			
Silver	ppm	0	0	0	<1			
Manganese	ppm	0	O 0	<1	0			
Vanadium	ppm	0	0	0	0			

being utilized for top-up/fill.
Resample at the next service interval
to monitor.All component wear rates
are normal. The system cleanliness
is acceptable for your target ISO
4406 cleanliness code. The system
and fluid cleanliness is acceptable.
Viscosity of sample indicates oil is
within ISO 22 range, advise
investigate. This plus the additive
levels indicates that this is not the
same brand, or type of oil as
reported. The condition of the oil is
acceptable for the time in service.

Confirm the source of the lubricant

	le le	0 -	0 -	0				
Vanadium	ppm	0	0	0	0			
ADDI	ADDITIVES							
Calcium	ppm	3	02	1246	5			
Magnesium	ppm	0 <1	O 0	14	0			
Zinc	ppm	39	<u> </u>	927	10			
Phosphorus	ppm	72	O 72	O 757	75			
Barium	ppm	0	O 0	O 0	0			
Boron	ppm	0 <1	O 0	O 2	<1			

Depot: TRA207LAV **Unique No:** 5644695 Signed: Bill Quesnel **Report Date:** 20 Sep 2023

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GRAPHS

