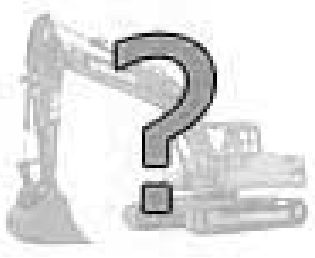
CONSTRUCTION EQUIPMENT
GUAY GROVE GMK6400-1 6400-4017 - HYDRAULIC SYSTEM

Sample No: VCP352900
Oil Type: CASTROL HYSPIN AWH-M ISO 32
Job No:



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SAMPLE INFORMATION

Sample Number		**VCP352900**	VCP394736	---	---
Sample Date		**15 Nov 2023**	14 Nov 2023	---	---
Machine Hours		**129**	128	---	---
Oil Hours		**129**	128	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**NORMAL**	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**30.5**	32.3	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**219**	241	---	---
Particles >6µm		**62**	51	---	---
Particles >14µm		**6**	5	---	---
ISO 4406:1999 (c)		**15/13/10**	15/13/10	---	---
Silicon	ppm	**4**	<1	---	---
Sodium	ppm	**<1**	<1	---	---
Potassium	ppm	**0**	0	---	---

WEAR METALS

Iron	ppm	**<1**	0	---	---
Copper	ppm	**2**	<1	---	---
Lead	ppm	**1**	0	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**0**	0	---	---
Chromium	ppm	**0**	0	---	---
Molybdenum	ppm	**0**	0	---	---
Nickel	ppm	**0**	<1	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**<1**	<1	---	---
Manganese	ppm	**0**	0	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**50**	50	---	---
Magnesium	ppm	**<1**	0	---	---
Zinc	ppm	**474**	486	---	---
Phosphorus	ppm	**378**	394	---	---
Barium	ppm	**<1**	<1	---	---
Boron	ppm	**<1**	<1	---	---

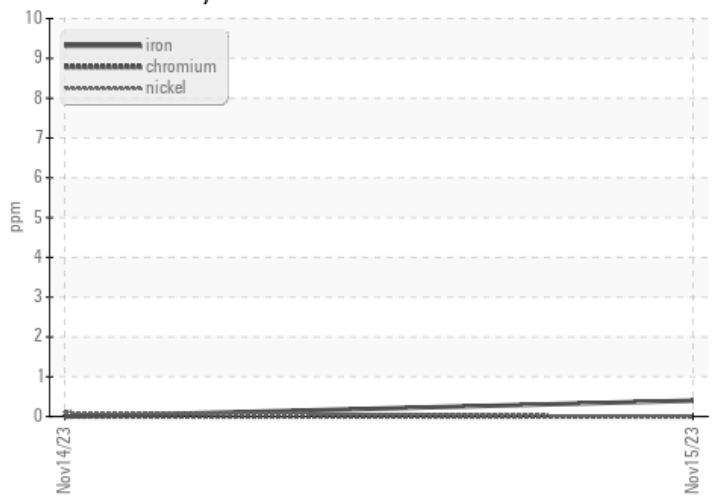
Diagnosis

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. The condition of the oil is acceptable for the time in service.

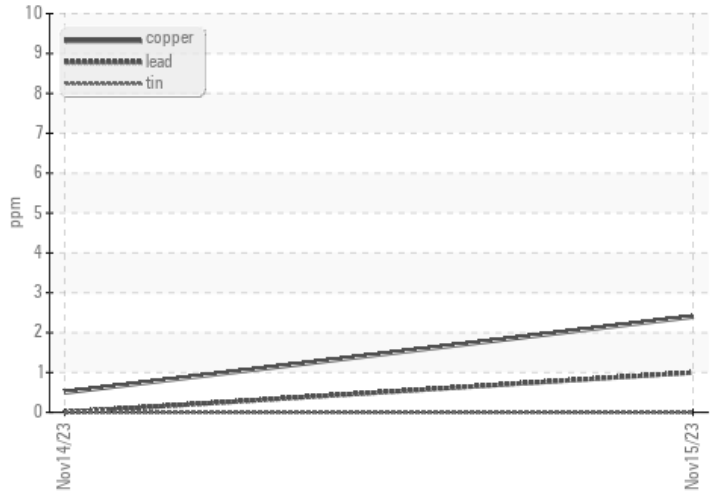
Depot: SHEBOU
Unique No: 5685644
Signed: Wes Davis
Report Date: 05 Dec 2023

GRAPHS

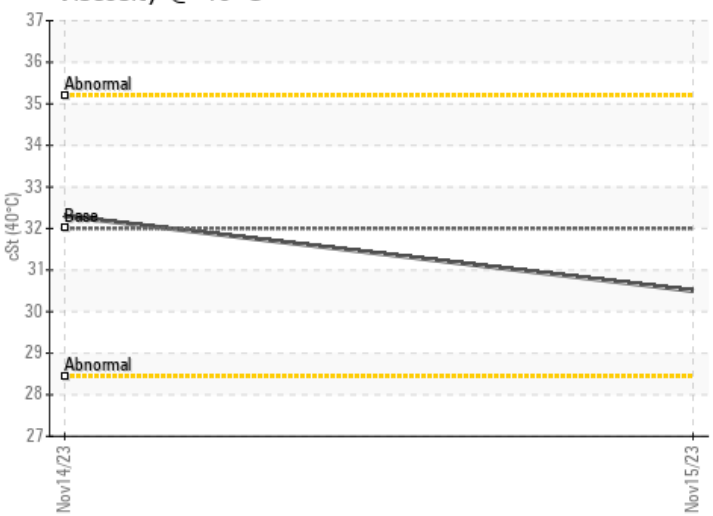
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count