

1101 SUSQUEHANNA AVE.
SUPERIOR, WI 54880
(715) 395-0222, FAX (715) 392-3097

CUSTOMER NO.: 319198
UNIT NO.: HYDRO-RUNNER
DESCRIPTION: GASOLINE ENGINE
END USER: JOHN SWANGLER
CHECK ENGINE
END USER LOCATION: TAMPA, FL 33634

MAKE:
MODEL
OIL BRAND: CASTROL
OIL TYPE: GTX 20W50
SERIAL NO.:
FUEL TYPE: GASOLINE

NO. COPIES 1

SAMPLE DATA

LAB#	SAMPLE DATE RECEIPT DATE	TIME ON OIL TIME ON UNIT
210494 NORMAL	10/18/2007 10/26/2007	144760
179384 ABNORMAL	09/05/2007 09/13/2007	3457 140632

SPECTROCHEMICAL ANALYSIS (ppm)

IRON	CHROMIUM	LEAD	COPPER	TIN	ALUMINUM	NICKEL	SILVER	SILICON	BORON	SODIUM	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC	MOLYBDENUM	TITANIUM	VANADIUM	POTASSIUM	FUEL (%VOL)	VS @ 40 C cst	VS @ 100 C cst	WATER (%VOL)	SOOT/SOLIDS (%WT)	COOLANT
5	1	4	3	0	40	0	0	5	7	136	11	2420	0	928	930	5	0	0	0	<1	N/A	10.28	0	N/A	NO
22	10	20	16	0	299 A	0	0	18	3	1617 A	16	2859	0	1072	1196	79	0	0	0	<1	N/A	17.09	0	N/A	NO

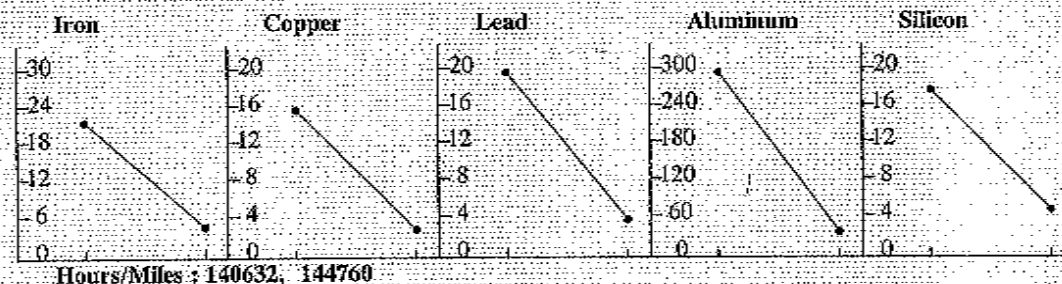
PHYSICAL PROPERTIES

210494 NO CATALYST
179384 CATALYST

LAB# ADDITIONAL TESTS

LAB#	TBN	OXID	NITR	CHANGE
210494	3.86	N/A	N/A	N/A
179384	3.43	N/A	N/A	N/A

GRAPHICAL ANALYSIS



Key
A: Abnormal C: Critical

ACCTS PAYABLE OR KATHY BERRY
AMSOIL INC: CLEVELAND
SUPERIOR, WI 54880

JOHN SWANGLER
CHECK ENGINE
7302 WEST HILLSBORO AVE
TAMPA, FL 33634

LAB# ANALYSIS RECOMMENDATIONS

NO CORRECTIVE ACTION REQUIRED; OIL IS SUITABLE FOR CONTINUED USE. RESAMPLE AT NEXT REGULAR INTERVAL.

210494

WEAR METAL(S) UNDERLINED ARE HIGH RECOMMEND RESAMPLE AT HALF THE NORMAL INTERVAL.

179384

ANALYST-JJL

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